

H-G

HERMERC'S



Measurement

Hybrid
Combiner

A Word About Hermercs



About Hermercs



Based on material as the ferrite and ceramics, Hermercs developed a product chain from components to sub systems and integrated systems, which widely recognized from Satcom, Microwave, Test and Measurements and applications.

After decade of focusing on the dedicated category, Hermercs win a reputation within the industry from some global leading companies and also by conducting the modern management systems as the ISO9001/ISO14001, cloud manufacturing, Hermercs brings cutting-edge technology to provide innovative solutions as the reliable open partner for cooperation. All Hermercs commercial parts comply with the RoHS and Reach requirements. Hermercs keeps big investment for design and research, from basic materials to applications, and holds many patents and IPR from materials to components to systems, from hardware to software.

For Satcom industry, Hermercs is very proud to offer the solution from ground station to aerospace parts and from components to testing systems as the combining networks, switching networks and double ridge waveguide networks. For microwave communication industry, we are more focusing on the mobile backhaul market, from longhaul to shorthaul and smallcell applications.



For the testing and measurements industry, Hermercs developed the product line up to 110GHz as the calibration kits, testing accessories and general/customized testing systems, and for future vision, all general systems are cloud based. for the filter industry and also, some absorbers for the waveguide components applications.

Hermercs

Add: 2th Floor, Building 8, Jingang Pioneering Center, 108# Ganjiabian dong, Qixia Dist, Nanjing, Jiangsu ,China, 210046

Tel: 86-25-85490880

Fax: +86-25-85569295



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90° Multi-Octave Band Hybrid and Combiner



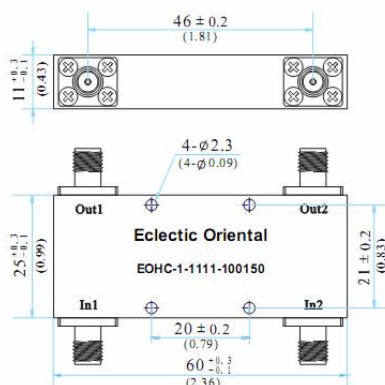
P/N: EOHC-1-1111-100150

FEATURES

- ❖ Adopting Strip Line Structure
- ❖ Low Insertion Loss
- ❖ High Isolation
- ❖ High Power Handling
- ❖ Good Amplitude
- ❖ Phase Accuracy

SPECIFICATIONS

OUTLINE: $\frac{\text{mm}}{(\text{inch})}$



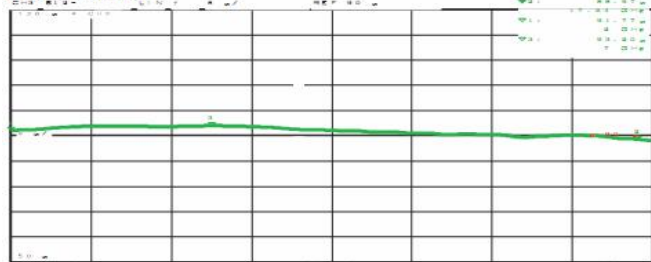
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2-18GHz	1.8dB	15dB	1.60	±0.7dB
Phase Balance	Connector	Power Handling	Working Temperature	Storage Temperature
±8°	SMA-F	50W	-55~+85℃	-55~+100℃

Note 1. It mainly is used for EW, radar, measuring and testing fields, combining power, antenna and feed network, splitting orthogonal power.

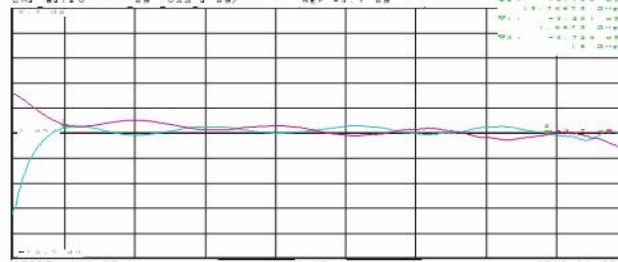
Note 2. It can be customized according to customer's needs.

TYPICAL PLOT

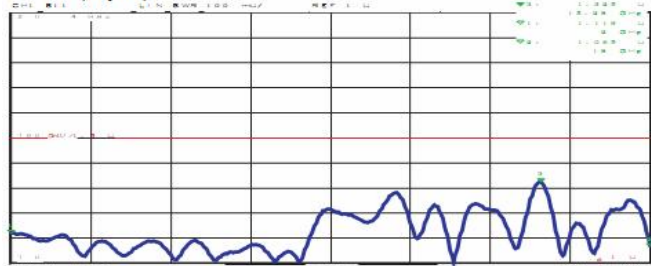
Phase Balance



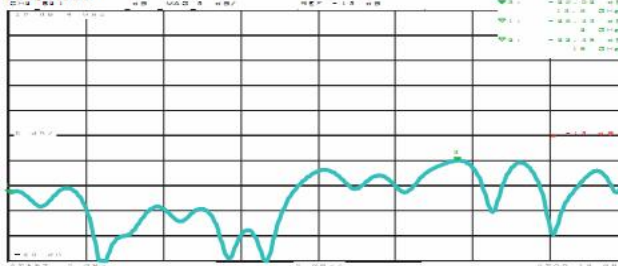
Insertion loss



VSWR(input)



Isolation



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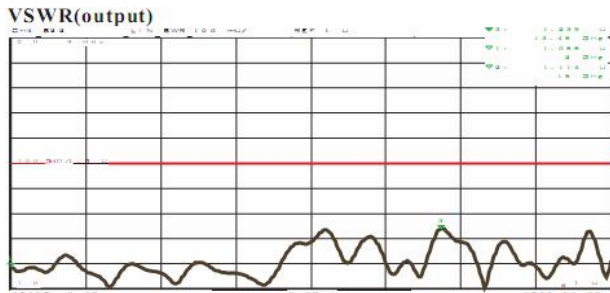
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Tel: 86-25-85490880

Fax: +86-25-85569295

90° Multi-Octave Band Hybrid and Combiner

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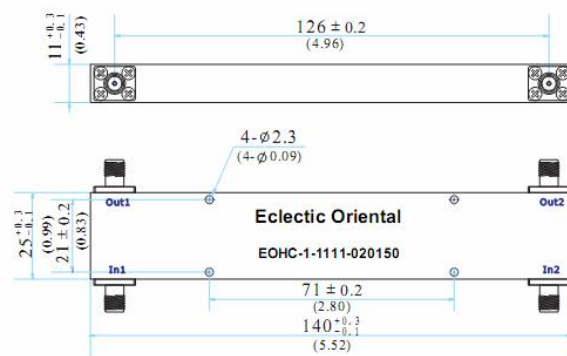
P/N: EOHC-1-1111-020150

FEATURES

- ❖ Adopting Strip Line Structure
- ❖ Low Insertion Loss
- ❖ High Isolation
- ❖ High Power Handling
- ❖ Good Amplitude
- ❖ Phase Accuracy

SPECIFICATIONS

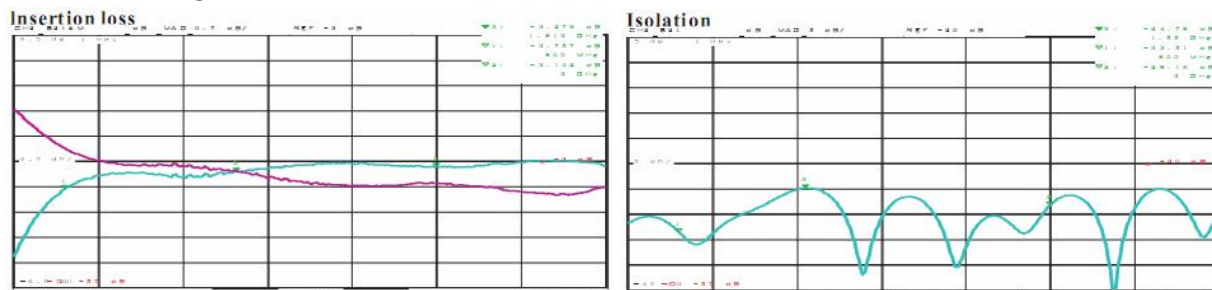
OUTLINE: $\frac{\text{mm}}{(\text{inch})}$



Frequency Range	Insertion Loss	Isolation	VSWR	Amplitude Balance
0.8-3GHz	0.80dB	20dB	1.30	$\pm 0.7\text{dB}$
Phase Balance	Connector	Power Handling	Working Temperature	Storage Temperature
$\pm 5^\circ$	SMA-F	50W	-55~+85°C	-55~+100°C

- Note 1. It mainly is used for communication, EW, radar, navigation, identifying, measuring and testing fields, combining power, antenna and feed network, splitting orthogonal power.
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TYPICAL PLOT



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Tel: 86-25-85490880

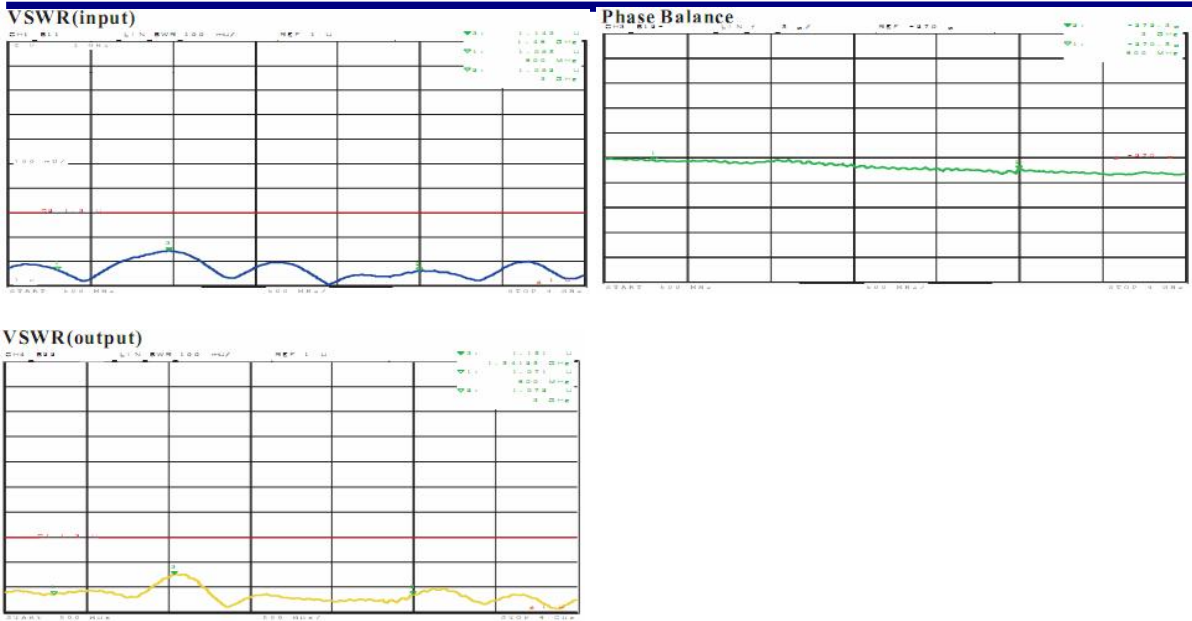
Fax: +86-25-85569295

Web Site: www.hermers.com

Email: sales@hermers.com

2

90° Multi-Octave Band Hybrid and Combiner



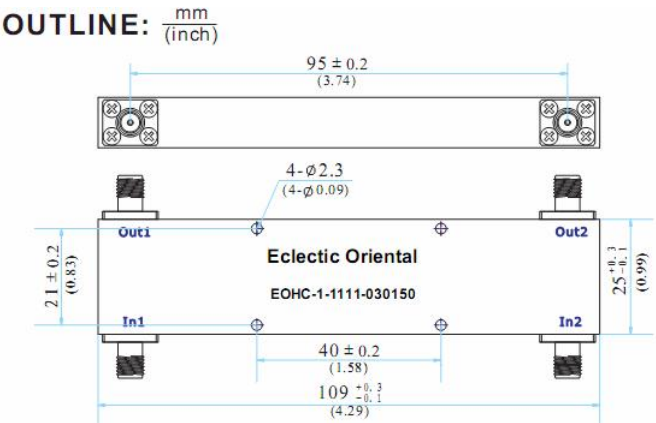
P/N: EOHC-1-1111-030150

FEATURES

- ❖ Adopting Strip Line Structure
- ❖ Low Insertion Loss
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- ❖ High Power Handling
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- ❖ Phase Accuracy

SPECIFICATIONS

Frequency Range	Insertion Loss	Isolation	VSWR	Amplitude Balance
1-4GHz	0.80dB	20dB	1.30	±0.7dB
Phase Balance	Connector	Power Handling	Working Temperature	Storage Temperature
±5°	SMA-F	50W	-55~+85℃	-55~+100℃



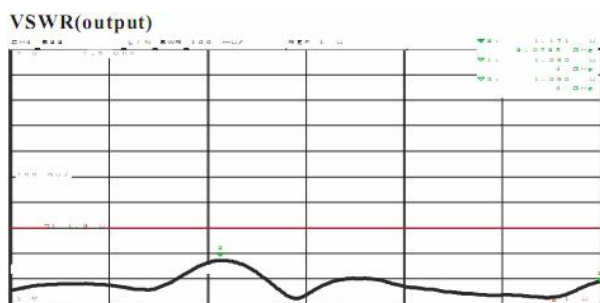
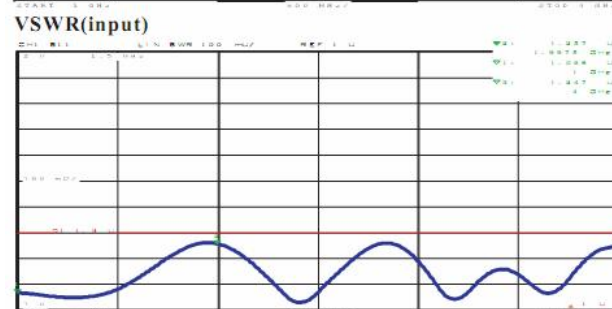
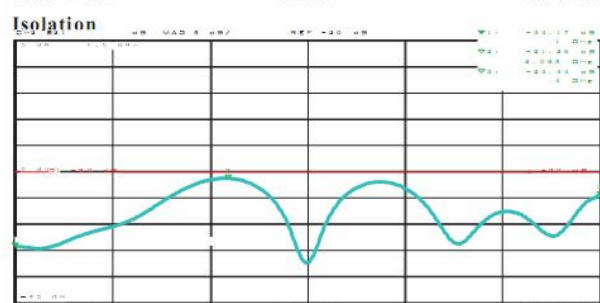
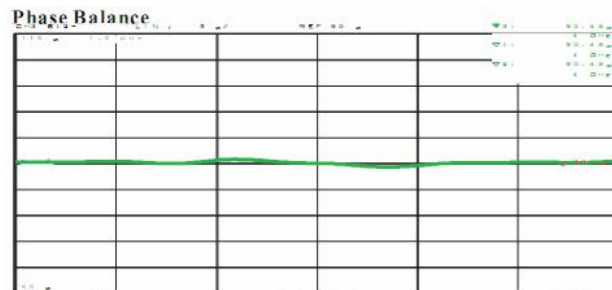
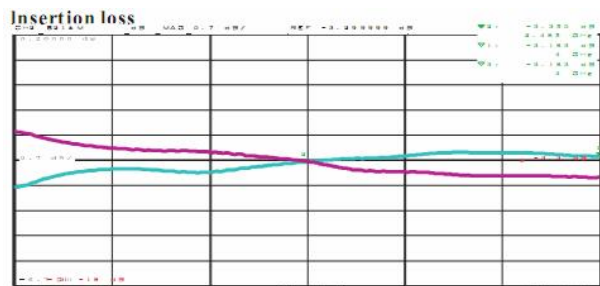
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90° Multi-Octave Band Hybrid and Combiner

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TYPICAL PLOT

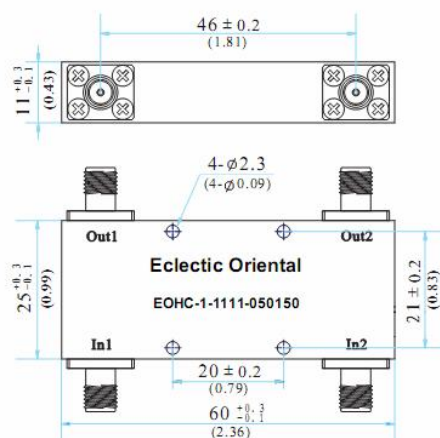


P/N: EOHC-1-1111-050150

FEATURES

- ❖ Adopting Strip Line Structure
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Web Site: www.hermers.com

4

90° Multi-Octave Band Hybrid and Combiner



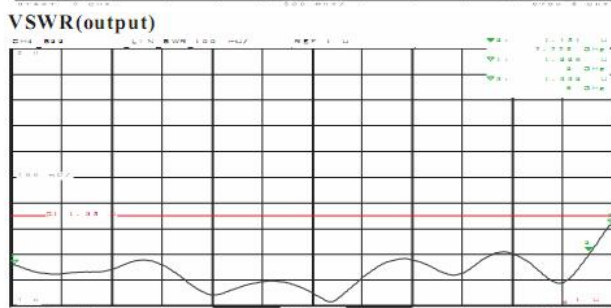
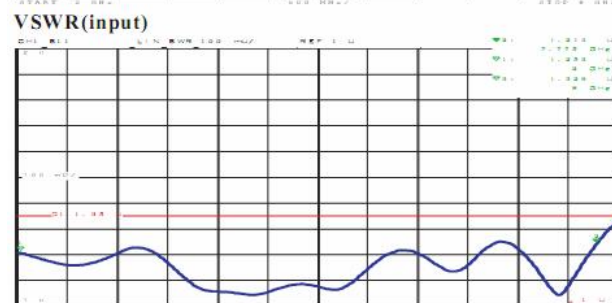
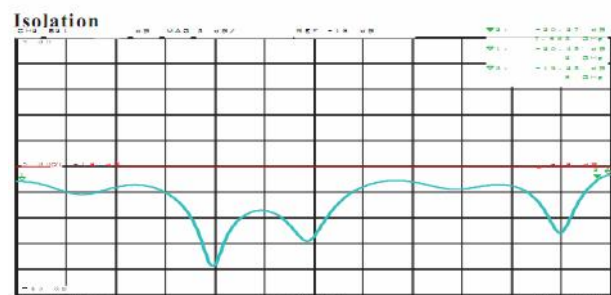
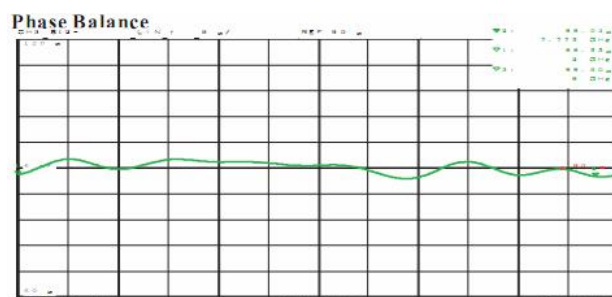
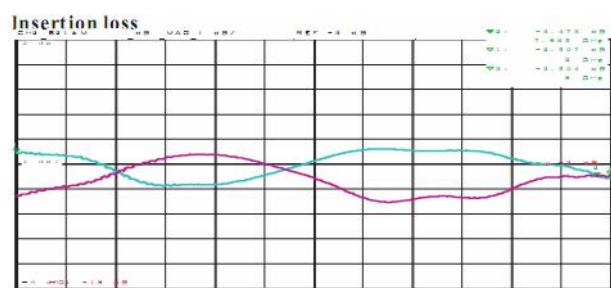
SPECIFICATIONS

Frequency Range	Insertion Loss	Isolation	VSWR	Amplitude Balance
2-8GHz	1.00dB	18dB	1.35	±0.7dB
Phase Balance	Connector	Power Handling	Working Temperature	Storage Temperature
±6°	SMA-F	50W	-55~+85℃	-55~+100℃

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TYPICAL PLOT



90° Multi-Octave Band Hybrid and Combiner

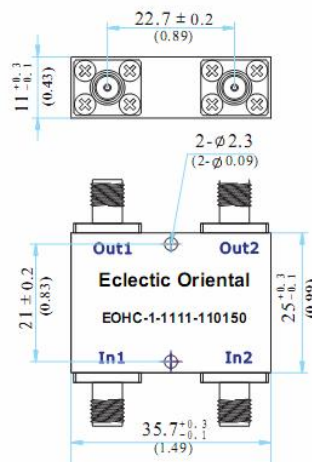
HERMERCs

P/N: EOHC-1-1111-110150

FEATURES

- ❖ Adopting Strip Line Structure
- ❖ Low Insertion Loss
- ❖ High Isolation
- ❖ High Power Handling
- ❖ Good Amplitude
- ❖ Phase Accuracy

OUTLINE: $\frac{\text{mm}}{(\text{inch})}$



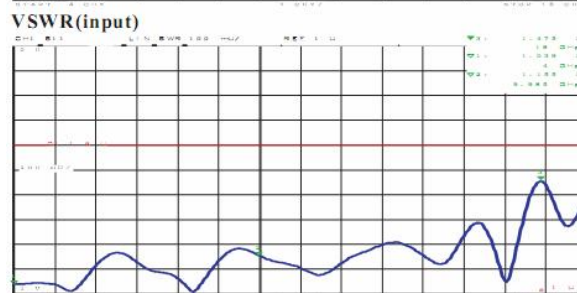
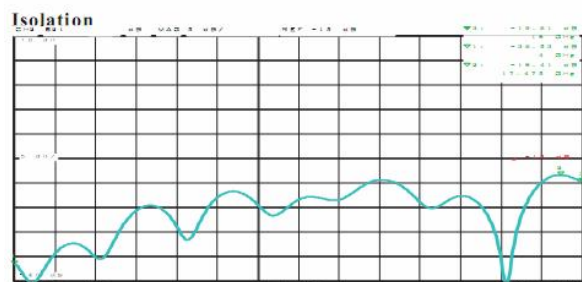
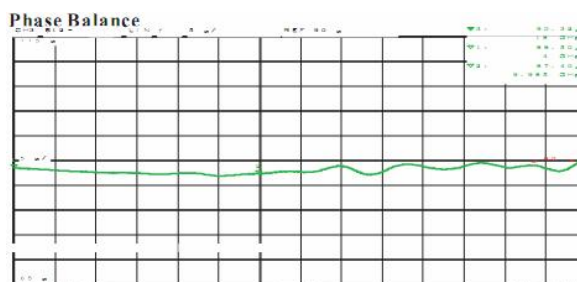
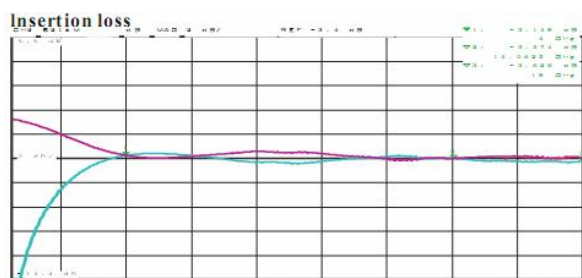
SPECIFICATIONS

Frequency Range	Insertion Loss	Isolation	VSWR	Amplitude Balance
4-18GHz	1.60dB	15dB	1.60	± 0.7 dB
Phase Balance	Connector	Power Handling	Working Temperature	Storage Temperature
$\pm 8^\circ$	SMA-F	50W	-55~+85°C	-55~+100°C

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TYPICAL PLOT



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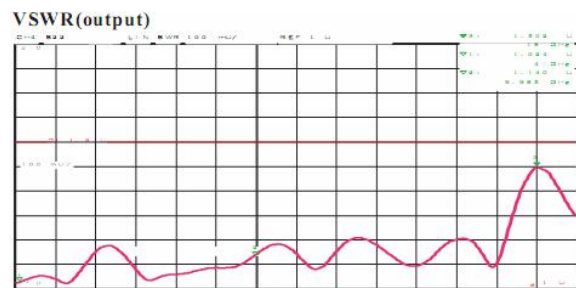
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Tel: 86-25-85490880

Fax: +86-25-85569295

90° Octave Band Hybrid and Combiner

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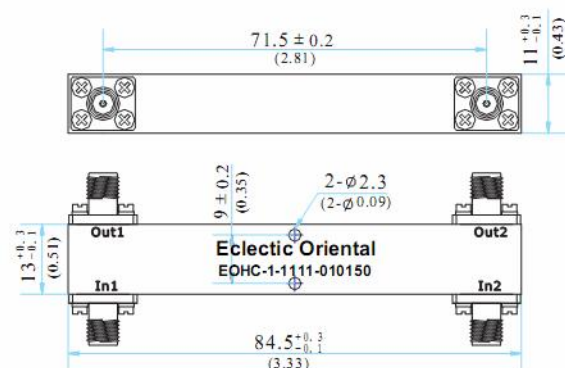


P/N: EOHC-1-1111-010150

FEATURES

- ❖ Adopting Strip Line Structure
- ❖ Low Insertion Loss
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OUTLINE: $\frac{\text{mm}}{(\text{inch})}$

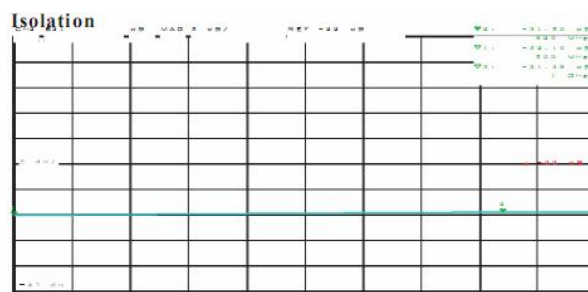
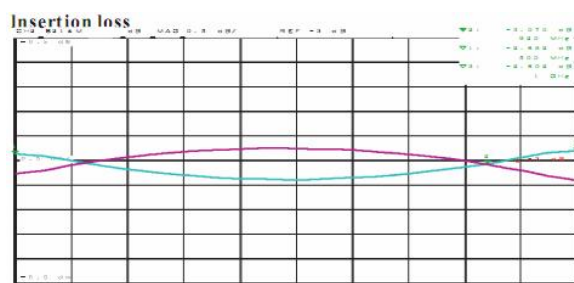


SPECIFICATIONS

Frequency Range	Insertion Loss	Isolation	VSWR	Amplitude Balance
0.5-1GHz	0.30dB	22dB	1.20	±0.5dB
Phase Balance	Connector	Power Handling	Working Temperature	Storage Temperature
±2°	SMA-F	50W	-55~+85℃	-55~+100℃

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TYPICAL PLOT



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90° Octave Band Hybrid and Combiner



P/N: EOHC-1-1111-020250

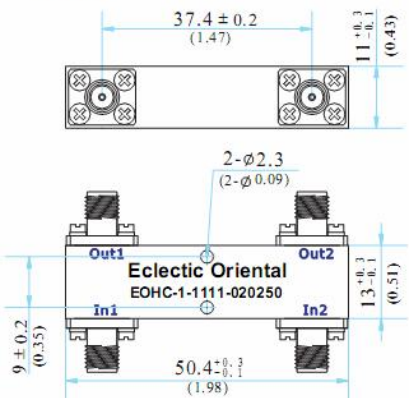
FEATURES

- ❖ Adopting Strip Line Structure
- ❖ Low Insertion Loss
- ❖ High Isolation
- ❖ High Power Handling
- ❖ Good Amplitude
- ❖ Phase Accuracy

SPECIFICATIONS

Frequency Range	Insertion Loss	Isolation	VSWR	Amplitude Balance
1-2GHz	0.30dB	22dB	1.20	±0.5dB
Phase Balance	Connector	Power Handling	Working Temperature	Storage Temperature
±2°	SMA-F	50W	-55~+85℃	-55~+100℃

OUTLINE: $\frac{\text{mm}}{(\text{inch})}$

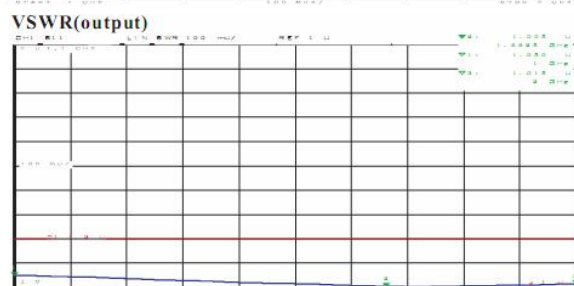
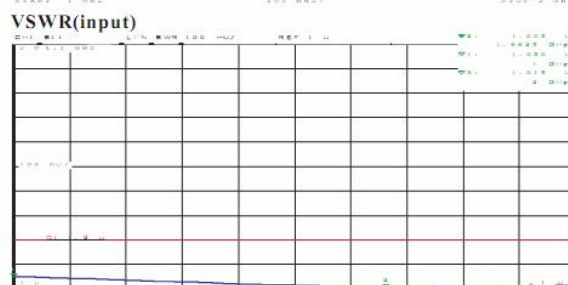
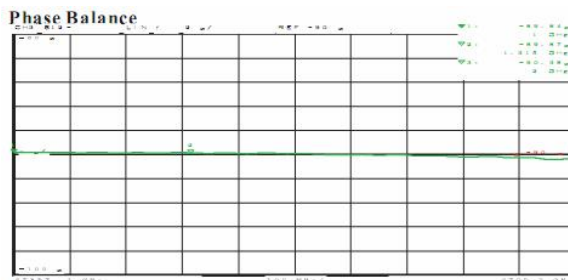
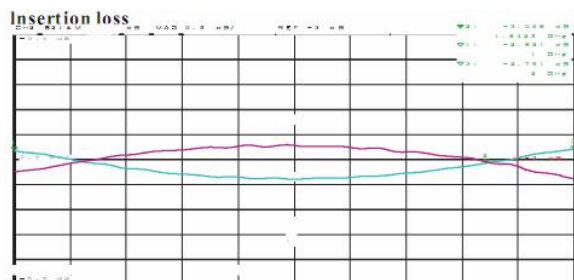


- Note 1. It mainly is used for communication, EW, radar, navigation, identifying, measuring and testing fields, combining power, antenna and feed network, splitting orthogonal power.
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TYPICAL PLOT

90° Octave Band Hybrid and Combiner

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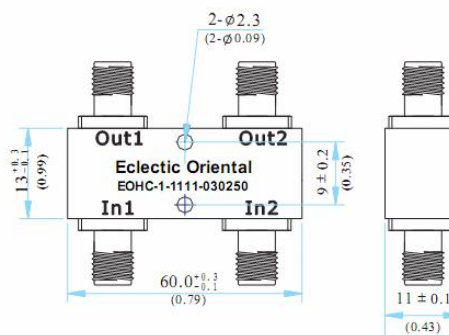


P/N: EOHC-1-1111-030250

FEATURES

- ❖ Adopting Strip Line Structure
- ❖ Low Insertion Loss
- ❖ High Isolation
- ❖ High Power Handling
- ❖ Good Amplitude
- ❖ Phase Accuracy

OUTLINE: $\frac{\text{mm}}{(\text{inch})}$



SPECIFICATIONS

Frequency Range	Insertion Loss	Isolation	VSWR	Amplitude Balance
2-4GHz	0.30dB	22dB	1.20	±0.5dB
Phase Balance	Connector	Power Handling	Working Temperature	Storage Temperature
±2°	SMA-F	50W	-55~+85°C	-55~+100°C

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W11-0111-030250

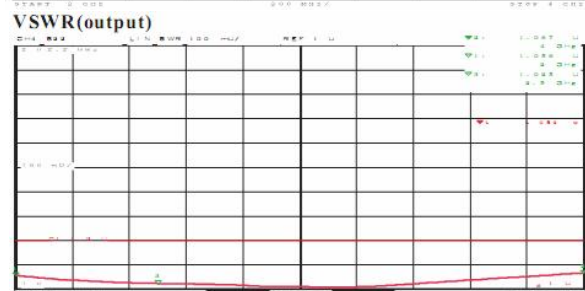
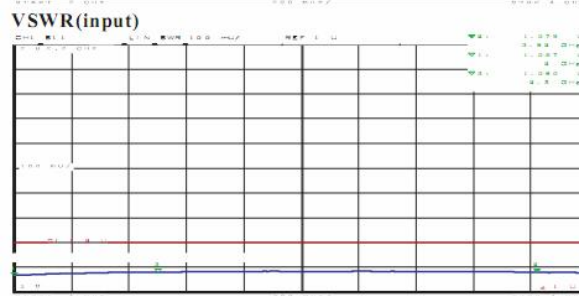
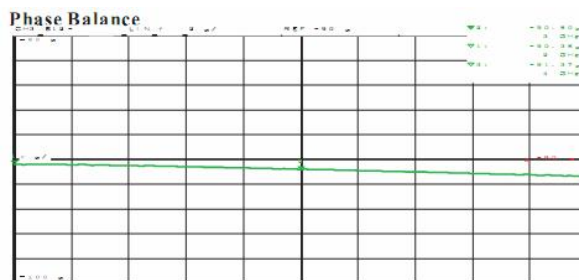
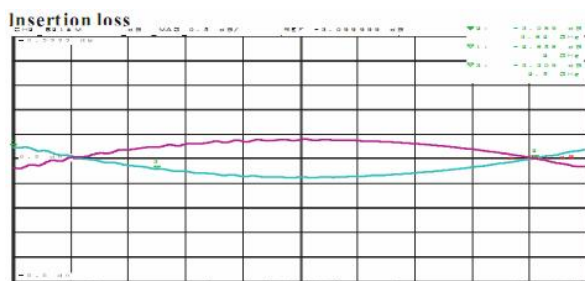
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90° Octave Band Hybrid and Combiner

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- Note 1. It mainly is used for communication, EW, radar, navigation, identifying, measuring and testing fields, combining power, antenna and feed network, splitting orthogonal power.
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TYPICAL PLOT



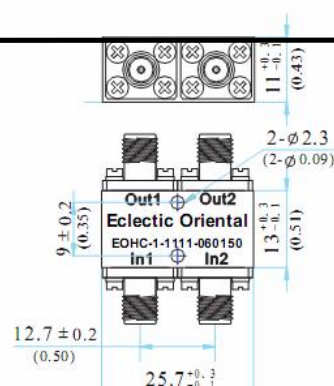
OUTLINE: $\frac{\text{mm}}{(\text{inch})}$

P/N: EOHC-1-1111-060150

FEATURES

- ❖ Adopting Strip Line Structure
- ❖ Low Insertion Loss
- ❖ High Isolation

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90° Octave Band Hybrid and Combiner



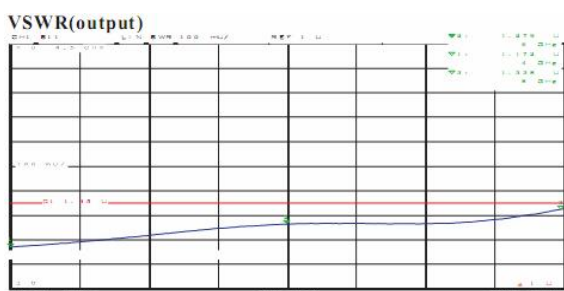
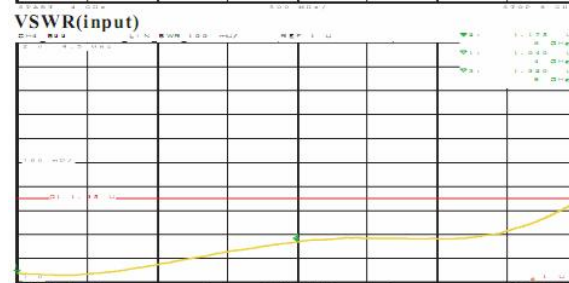
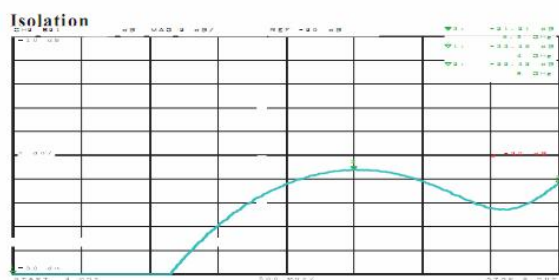
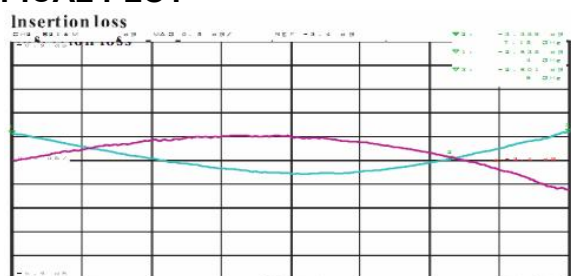
- ❖ High Power Handling
- ❖ Good Amplitude
- ❖ Phase Accuracy

SPECIFICATIONS

Frequency Range	Insertion Loss	Isolation	VSWR	Amplitude Balance
4-8GHz	0.35dB	18dB	1.35	±0.5dB
Phase Balance	Connector	Power Handling	Working Temperature	Storage Temperature
±3°	SMA-F	50W	-55~+85℃	-55~+100℃

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TYPICAL PLOT



90° Octave Band Hybrid and Combiner

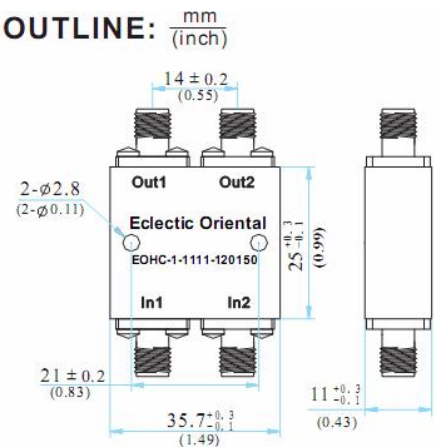


P/N: EOHC-1-1111-120150

FEATURES

- ❖ Adopting Strip Line Structure
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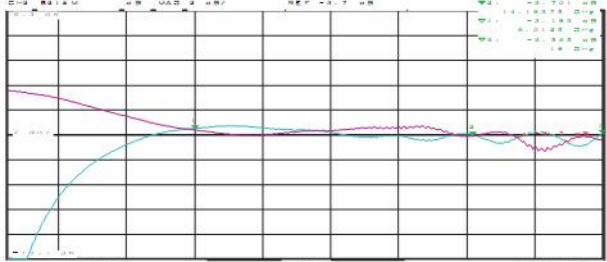
SPECIFICATIONS



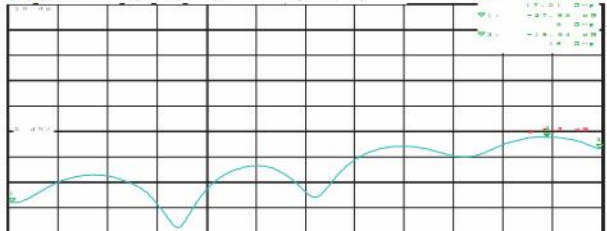
Frequency Range	Insertion Loss	Isolation	VSWR	Amplitude Balance
6-18GHz	1.40dB	15dB	1.60	±0.7dB
Phase Balance	Connector	Power Handling	Working Temperature	Storage Temperature
±8°	SMA-F	50W	-55~+85°C	-55~+100°C

- Note 1. It mainly is used for communication, EW, radar,satellite communication,measuring and testing fields,combining power,antenna and feed network,splitting orthogonal power.
- Note 2. It can be customized according to customer's needs.

Insertion loss

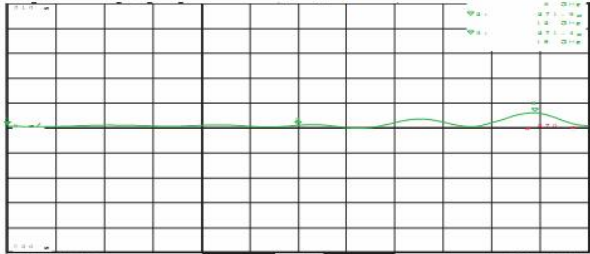


Isolation

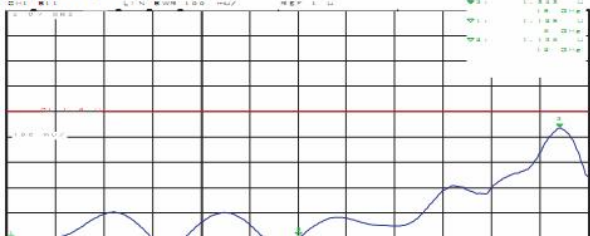


TY
PI
CAL
PL
OT

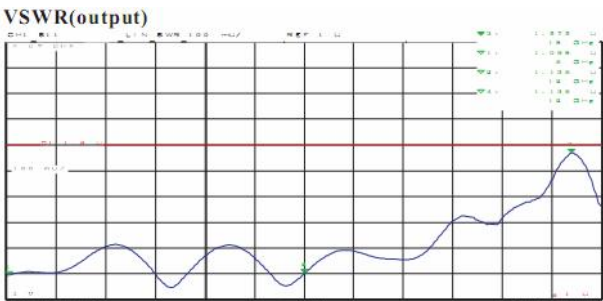
Phase Balance



VSWR(input)



90° Octave Band Hybrid and Combiner



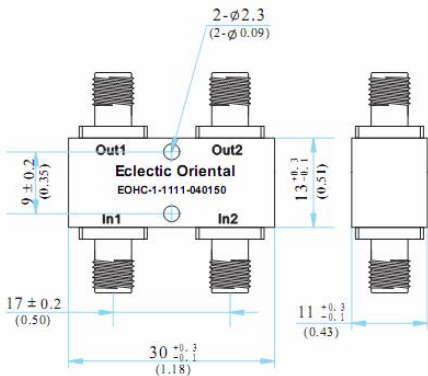
P/N: EOHC-1-1111-040150

FEATURES

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- ❖ Phase Accuracy

SPECIFICATIONS

OUTLINE: $\frac{\text{mm}}{(\text{inch})}$



Frequency Range	Insertion Loss	Isolation	VSWR	Amplitude Balance
2.6-5.2GHz	0.30dB	22dB	1.20	±0.5dB
Phase Balance	Connector	Power Handling	Working Temperature	Storage Temperature
±2°	SMA-F	50W	-55~+85℃	-55~+100℃

Note 1. It mainly is used for EW, radar,satellite communication,measuring and testing fields,combining power,antenna and feed network,splitting orthogonal power.

Note 2. It can be customized according to customer's needs.

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Fax: +86-25-85569295

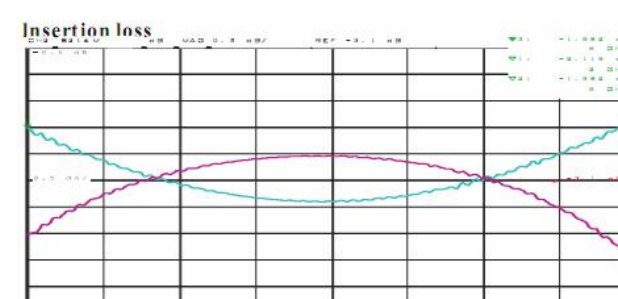
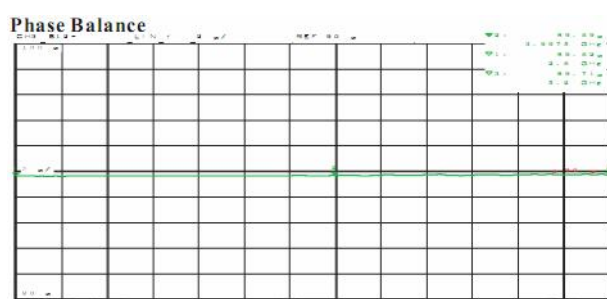
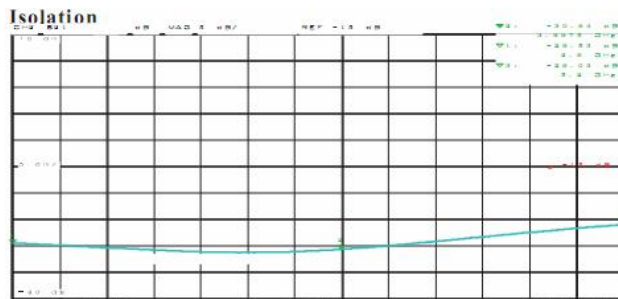
Web Site: www.hermerc.com

Email: hermerc@163.com

90° Octave Band Hybrid and Combiner

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TYPICAL PLOT

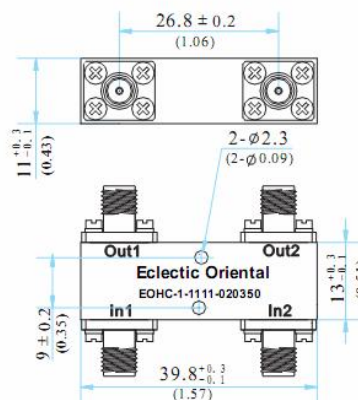


P/N: EOHC-1-1111-020350

FEATURES

- ❖ Adopting Strip Line Structure
- ❖ Low Insertion Loss
- ❖ High Isolation
- ❖ High Power Handling
- ❖ Good Amplitude
- ❖ Phase Accuracy

OUTLINE: $\frac{\text{mm}}{(\text{inch})}$



SPECIFICATIONS

Frequency Range	Insertion Loss	Isolation	VSWR	Amplitude Balance
1.5-3.0GHz	0.30dB	22dB	1.20	±0.5dB

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90° Octave Band Hybrid and Combiner

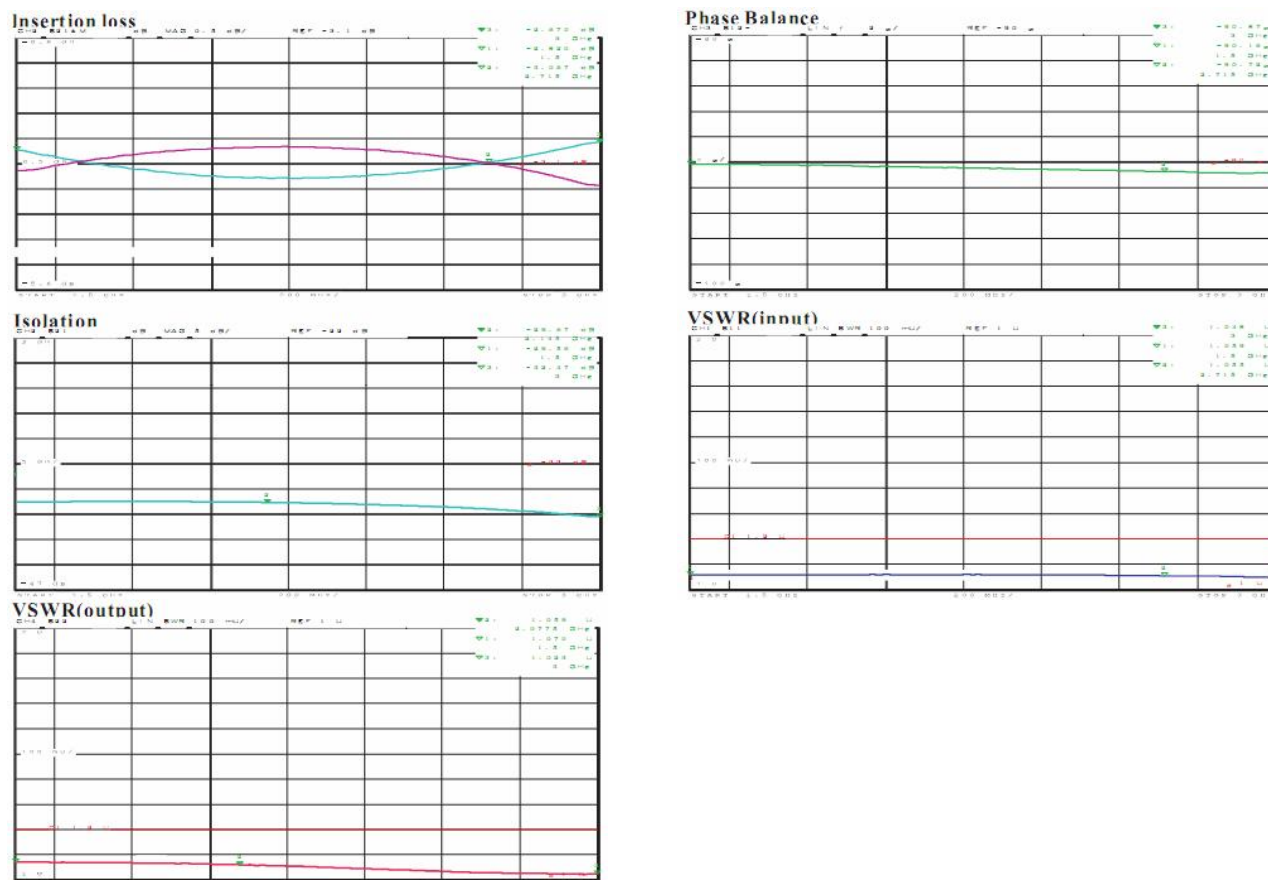
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Phase Balance	Connector	Power Handling	Working Temperature	Storage Temperature
$\pm 2^\circ$	SMA-F	50W	-55~+85°C	-55~+100°C

Note 1. It mainly is used for communication,EW, radar,navigation,measuring and testing fields,combining power,antenna and feed network,splitting orthogonal power.

Note 2. It can be customized according to customer's needs.

TYPICAL PLOT



P/N: EOHC-1-1111-010250

FEATURES

- ❖ Adopting Strip Line Structure
- ❖ Low Insertion Loss
- ❖ High Isolation
- ❖ High Power Handling
- ❖ Good Amplitude
- ❖ Phase Accuracy

SPECIFICATIONS

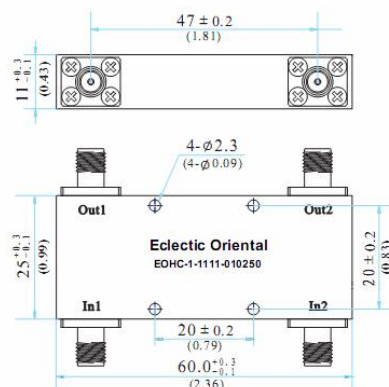
Hermercs

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Tel: 86-25-85490880

Fax: +86-25-85569295

OUTLINE: $\frac{\text{mm}}{\text{(inch)}}$



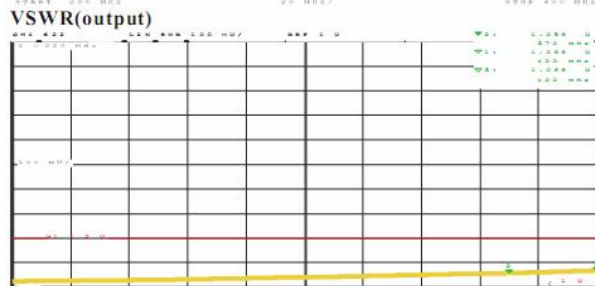
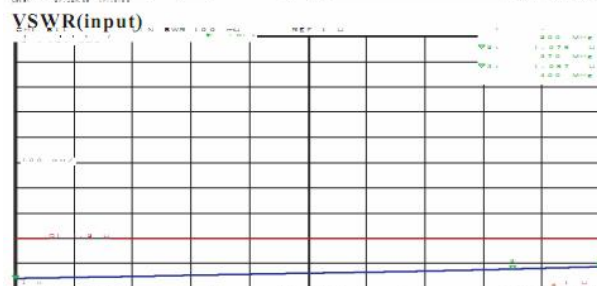
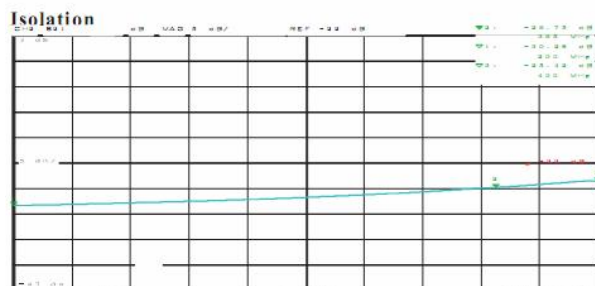
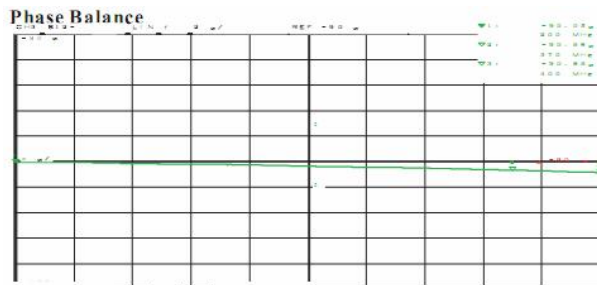
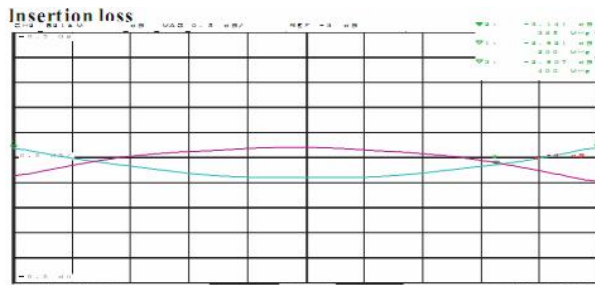
90° Octave Band Hybrid and Combiner

HERMERCS

Frequency Range	Insertion Loss	Isolation	VSWR	Amplitude Balance
0.2-0.4GHz	0.30dB	22dB	1.20	±0.5dB
Phase Balance	Connector	Power Handling	Working Temperature	Storage Temperature
±2°	SMA-F	50W	-55~+85℃	-55~+100℃

- Note 1. It mainly is used for radio,digital group communication,measuring and testing equipments for military or commercial,combining power,antenna and feed network,splitting orthogonal power.
- Note 2. It can be customized according to customer's needs.

TYPICAL PLOT



P/N: EOHC-1-1111-010350

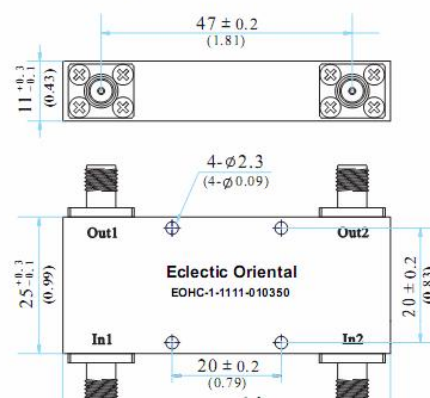
FEATURES

- ❖ Adopting Strip Line Structure
- ❖ Low Insertion Loss
- ❖ High Isolation
- ❖ High Power Handling

Hermers

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OUTLINE: $\frac{\text{mm}}{(\text{inch})}$



China, 210046

90° Octave Band Hybrid and Combiner



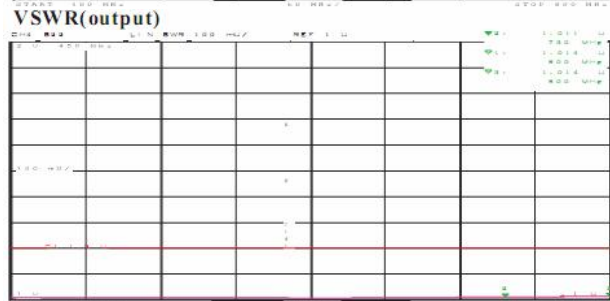
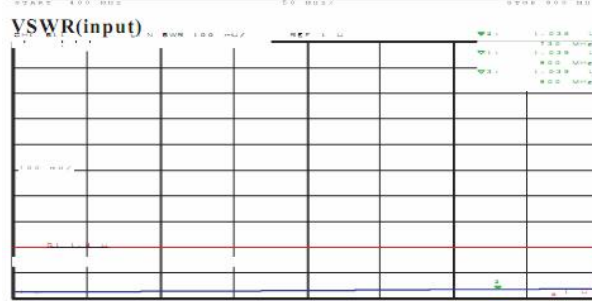
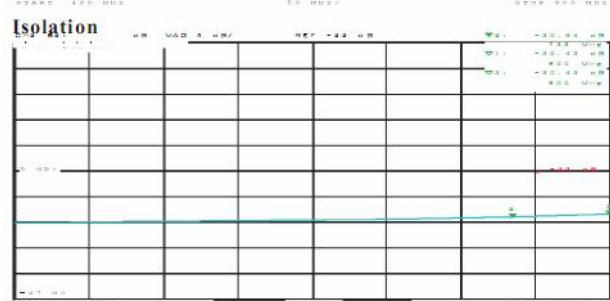
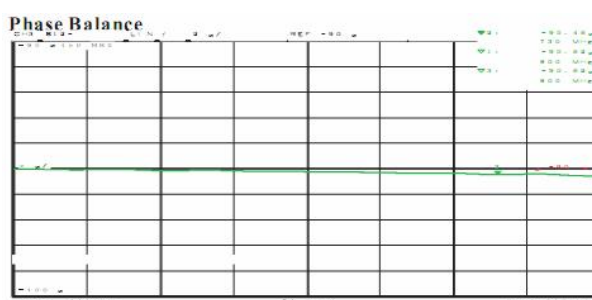
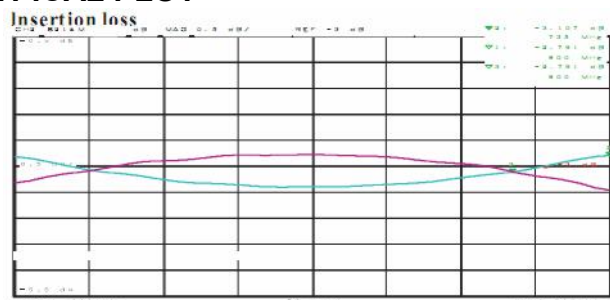
- ❖ Good Amplitude
- ❖ Phase Accuracy

SPECIFICATIONS

Frequency Range	Insertion Loss	Isolation	VSWR	Amplitude Balance
0.4-0.8GHz	0.30dB	22dB	1.20	±0.5dB
Phase Balance	Connector	Power Handling	Working Temperature	Storage Temperature
±2°	SMA-F	50W	-55~+85℃	-55~+100℃

- Note 1. It mainly is used for radio,digital group communication,measuring and testing equipments for military or commercial,combining power,antenna and feed network,splitting orthogonal power.
- Note 2. It can be customized according to customer's needs.

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Fax: +86-25-85569295

90° Octave Band Hybrid and Combiner



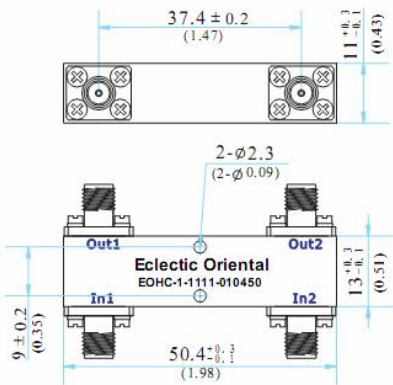
P/N: EOHC-1-1111-010450

FEATURES

- ❖ Adopting Strip Line Structure
- ❖ Low Insertion Loss
- ❖ High Isolation
- ❖ High Power Handling
- ❖ Good Amplitude
- ❖ Good Phase Accuracy

SPECIFICATIONS

OUTLINE: $\frac{\text{mm}}{(\text{inch})}$



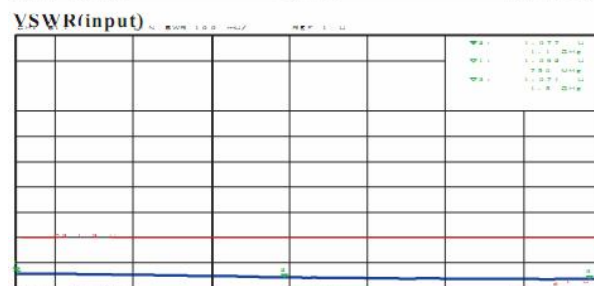
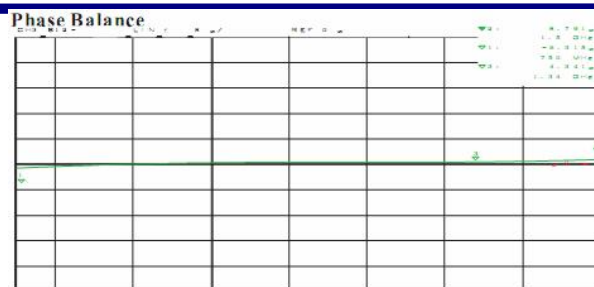
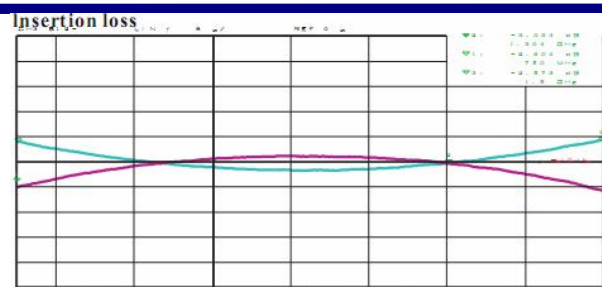
Frequency Range	Insertion Loss	Isolation	VSWR	Amplitude Balance
0.75-1.5GHz	0.30dB	22dB	1.20	±0.5dB
Phase Balance	Connector	Power Handling	Working Temperature	Storage Temperature
±2°	SMA-F	50W	-55~+85℃	-55~+100℃

- Note 1. It mainly is used for communication,EW,radar,navigation,identifying,measuring and testing filds,combining power,antenna and feed network,splitting orthogonal power.
- Note 2. It can be customized according to customer's needs.

TYPICAL PLOT

90° Octave Band Hybrid and Combiner

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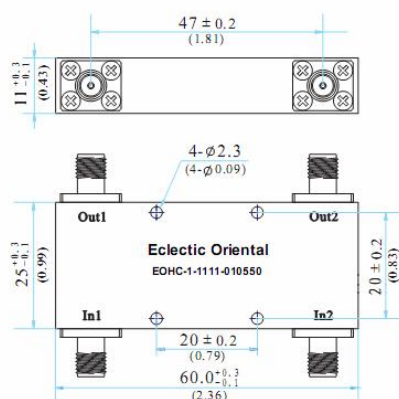
P/N: EOHC-1-1111-010550

FEATURES

- ❖ Adopting Strip Line Structure
- ❖ Low Insertion Loss
- ❖ High Isolation
- ❖ High Power Handling
- ❖ Good Amplitude
- ❖ Good Phase Accuracy

SPECIFICATIONS

OUTLINE: $\frac{\text{mm}}{\text{(inch)}}$



Frequency Range	Insertion Loss	Isolation	VSWR	Amplitude Balance
0.25-0.5GHz	0.30dB	22dB	1.20	±0.5dB

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File: 1111-010550

10

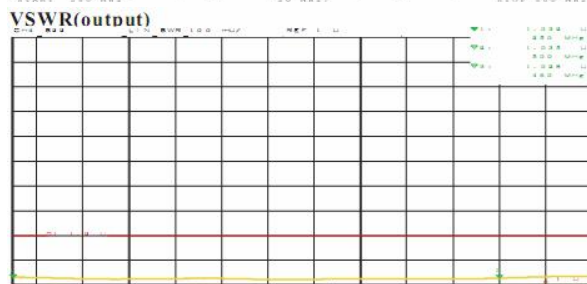
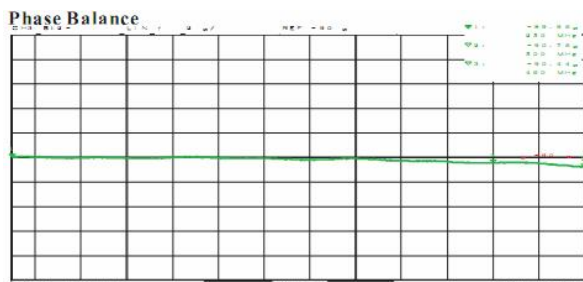
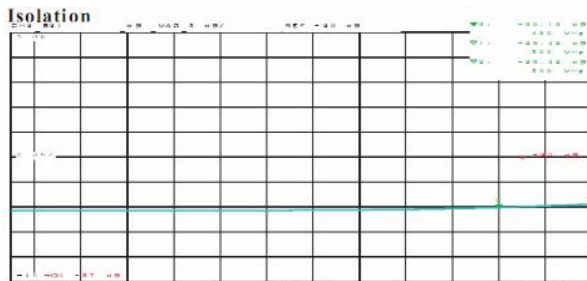
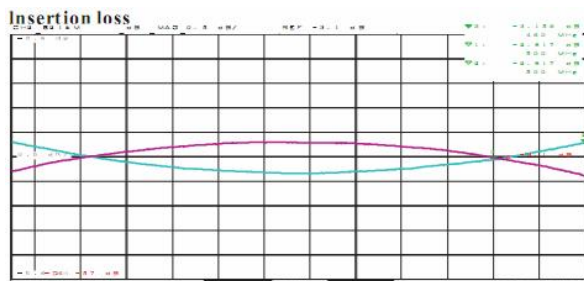
90° Octave Band Hybrid and Combiner

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Phase Balance	Connector	Power Handling	Working Temperature	Storage Temperature
$\pm 2^\circ$	SMA-F	50W	-55~+85°C	-55~+100°C

- Note 1. It mainly is used for radio,digital group communication,measuring and testing equipments for military or commercial,combining power,antenna and feed network,splitting orthogonal power.
- Note 2. It can be customized according to customer's needs.

TYPICAL PLOT

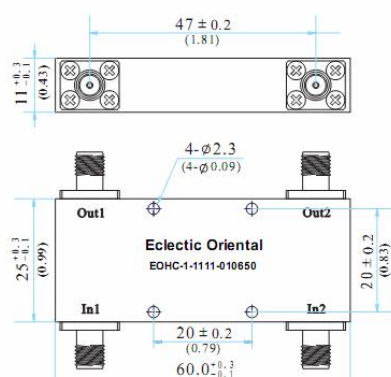


P/N: EOHC-1-1111-010650

FEATURES

- ❖ Adopting Strip Line Structure
- ❖ Low Insertion Loss
- ❖ High Isolation
- ❖ High Power Handling
- ❖ Good Amplitude

OUTLINE: $\frac{\text{mm}}{(\text{inch})}$



China, 210046

Hermerc

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20

90° Octave Band Hybrid and Combiner

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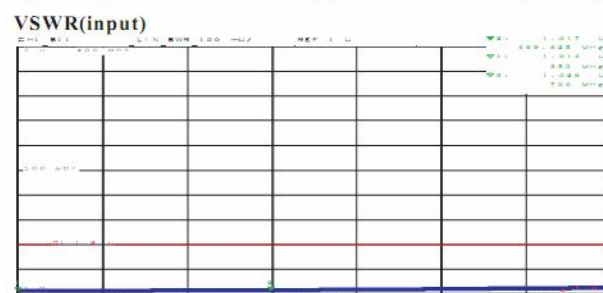
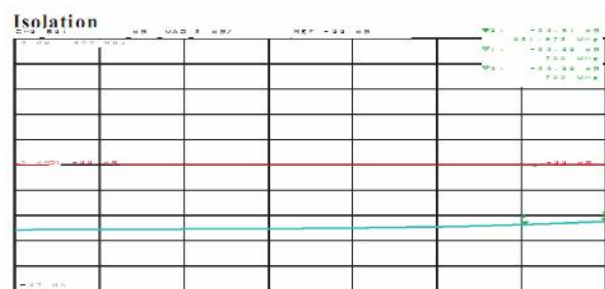
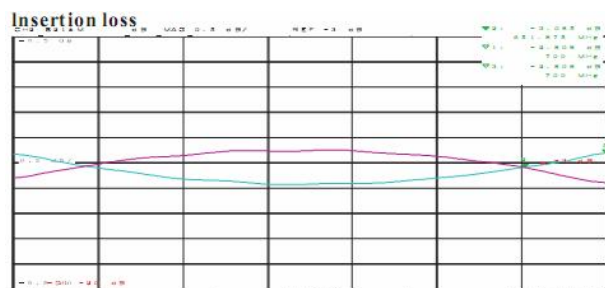
❖ Good Phase Accuracy

SPECIFICATIONS

Frequency Range	Insertion Loss	Isolation	VSWR	Amplitude Balance
0.35-0.7GHz	0.30dB	22dB	1.20	±0.5dB
Phase Balance	Connector	Power Handling	Working Temperature	Storage Temperature
±2°	SMA-F	50W	-55~+85°C	-55~+100°C

- Note 1. It mainly is used for radio,digital group communication,measuring and testing equipments for military or commercial,combining power,antenna and feed network,splitting orthogonal power.
- Note 2. It can be customized according to customer's needs.

TYPICAL PLOT



P/N: EOHC-1-1111-010750

FEATURES

❖ Adopting Strip Line Structure

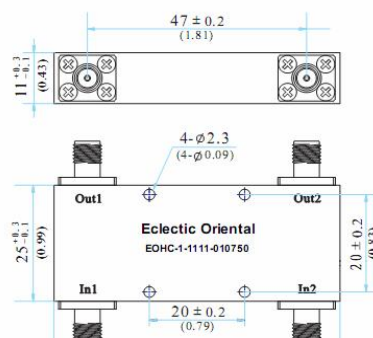
Hermers

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Fax: +86-25-8556925

OUTLINE: mm
(inch)



ngsu ,China, 210046

90° Octave Band Hybrid and Combiner

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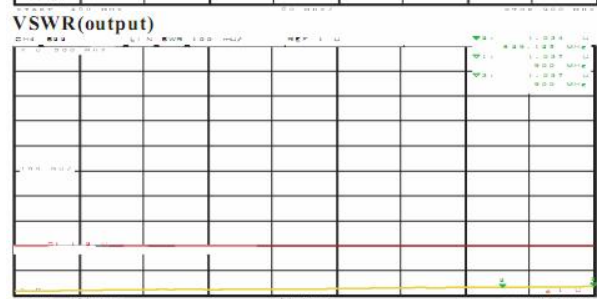
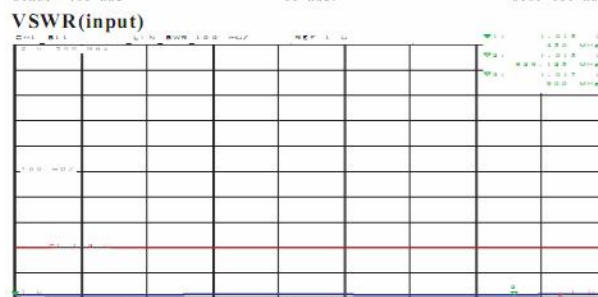
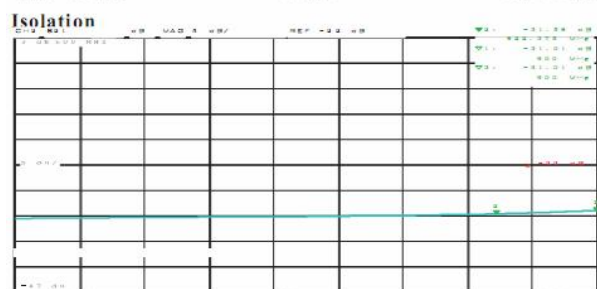
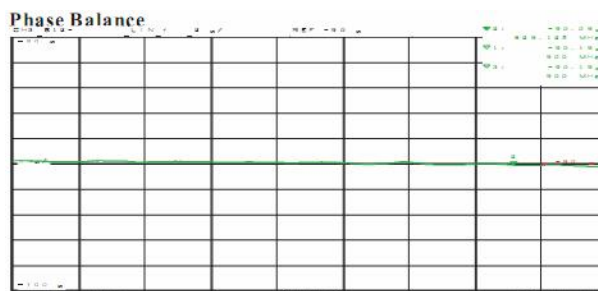
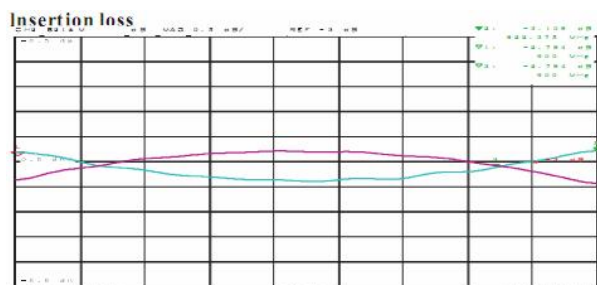
- ❖ Low Insertion Loss
- ❖ High Isolation
- ❖ High Power Handling
- ❖ Good Amplitude
- ❖ Good Phase Accuracy

SPECIFICATIONS

Frequency Range	Insertion Loss	Isolation	VSWR	Amplitude Balance
0.45-0.9GHz	0.30dB	22dB	1.20	±0.5dB
Phase Balance	Connector	Power Handling	Working Temperature	Storage Temperature
±2°	SMA-F	50W	-55~+85℃	-55~+100℃

- Note 1. It mainly is used for radio,digital group communication,measuring and testing equipments for military or commercial,combining power,antenna and feed network,splitting orthogonal power.
- Note 2. It can be customized according to customer's needs.

TYPICAL PLOT



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Drop In 90° Hybrid and Combiner



P/N: EOHC-1-2-S1S1-0101200

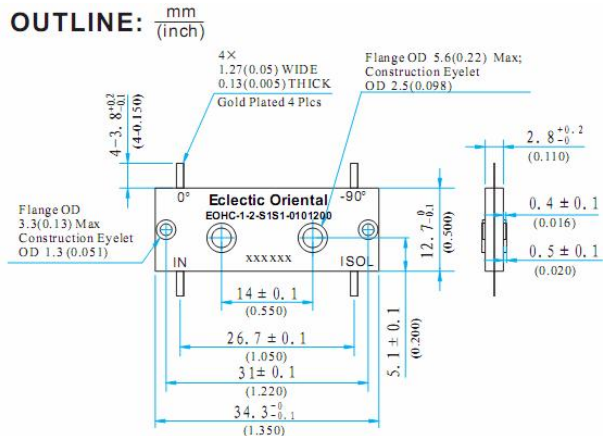
FEATURES

- ❖ 90° 3dB Hybrid of Off-shell Package
- ❖ Octave Frequency Range
- ❖ Compact Size
- ❖ High Power

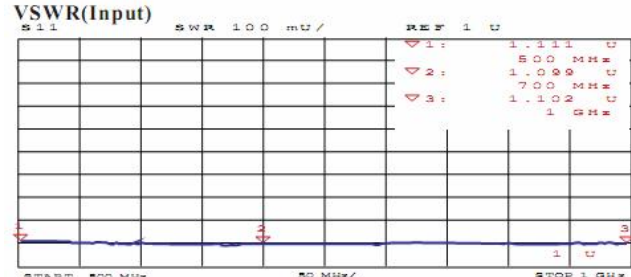
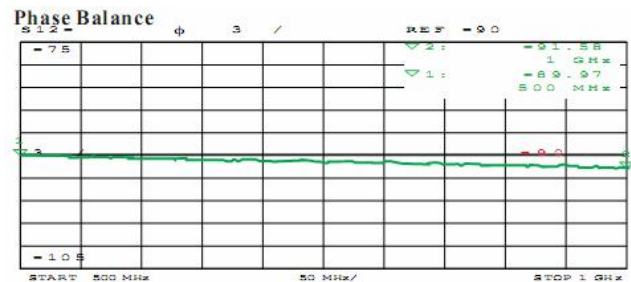
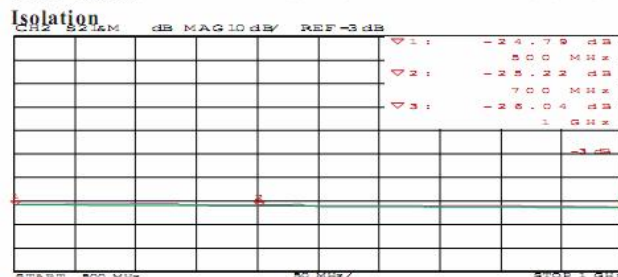
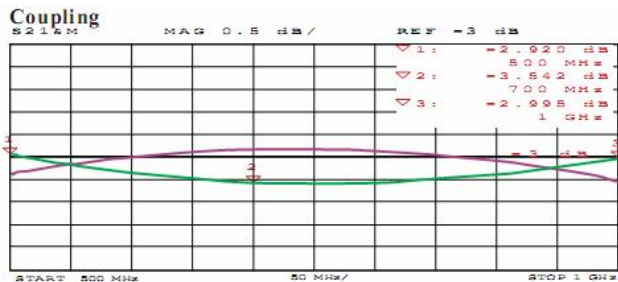
SPECIFICATIONS

Frequency Range	Insertion Loss	Isolation	VSWR	Amplitude Balance
0.5-1GHz	0.3dB	20dB	1.20	±0.5dB
Phase Balance	Connector	Power Handling	Working Temperature	Storage Temperature
±2°	-	200W	-55~+100℃	-55~+125℃

Note It mainly is used for communication electronic equipments for military and commercial, radar and navigation fields, combining power, antenna and feeder network, splitting orthogonal power.



TYPICAL PLOT



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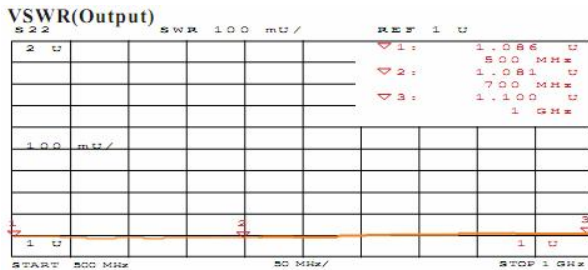
Tel: 86-25-85490880

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W11-01-01

24

Drop In 90° Hybrid and Combiner

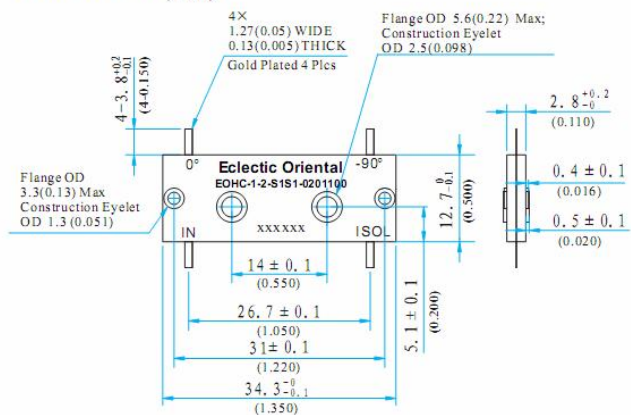


P/N: EOHC-1-2-S1S1-0201100

FEATURES

- ❖ 90° 3dB Hybrid of Off-shell Package
- ❖ Octave Frequency Range
- ❖ Compact Size
- ❖ High Power

OUTLINE: $\frac{\text{mm}}{(\text{inch})}$

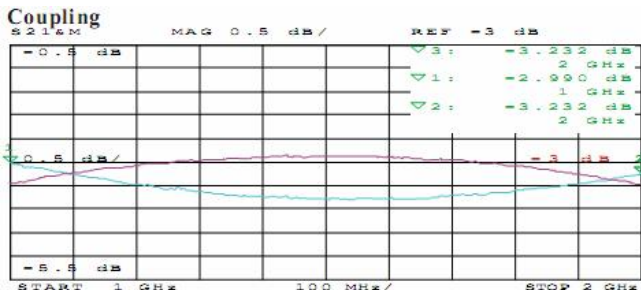


SPECIFICATIONS

Frequency Range	Insertion Loss	Isolation	VSWR	Amplitude Balance
1-2GHz	0.3dB	18dB	1.25	±0.5dB
Phase Balance	Connector	Power Handling	Working Temperature	Storage Temperature
±2°	-	100W	-55~+100℃	-55~+125℃

Note It mainly is used for communication electronic equipments for military and commercial, radar, navigation and identifying fields, combining power, antenna and feeder network, splitting orthogonal power.

TYPICAL PLOT



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Tel: 86-25-85490880

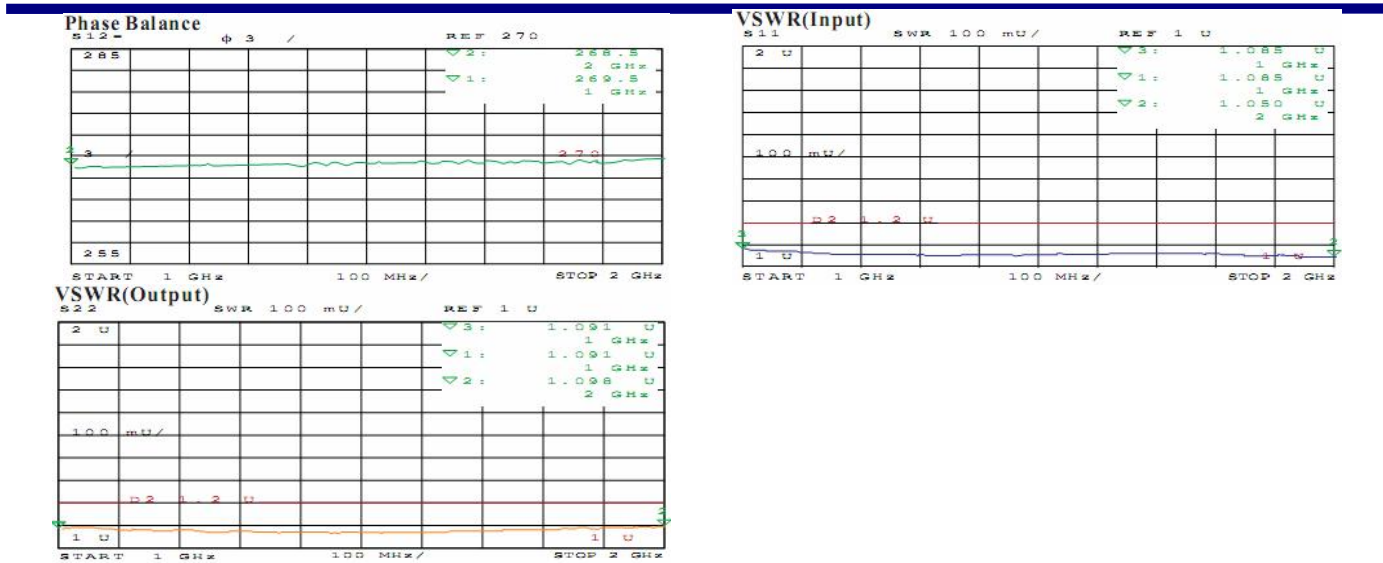
Fax: +86-25-85569295

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Email: hermers@hermers.com

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Drop In 90° Hybrid and Combiner

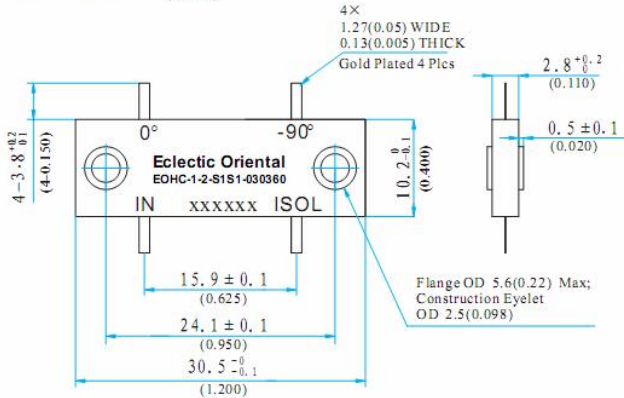


P/N: EOHHC-1-2-S1S1-030160

FEATURES

- ❖ 90° 3dB Hybrid of Off-shell Package
- ❖ Octave Frequency Range
- ❖ Compact Size
- ❖ High Power

OUTLINE: $\frac{\text{mm}}{(\text{inch})}$



SPECIFICATIONS

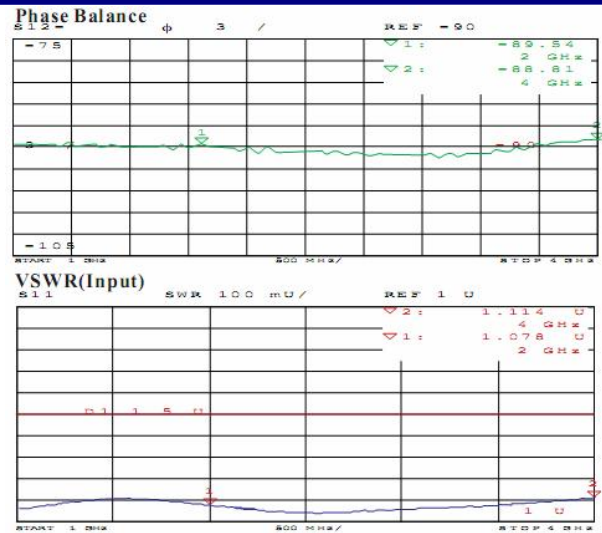
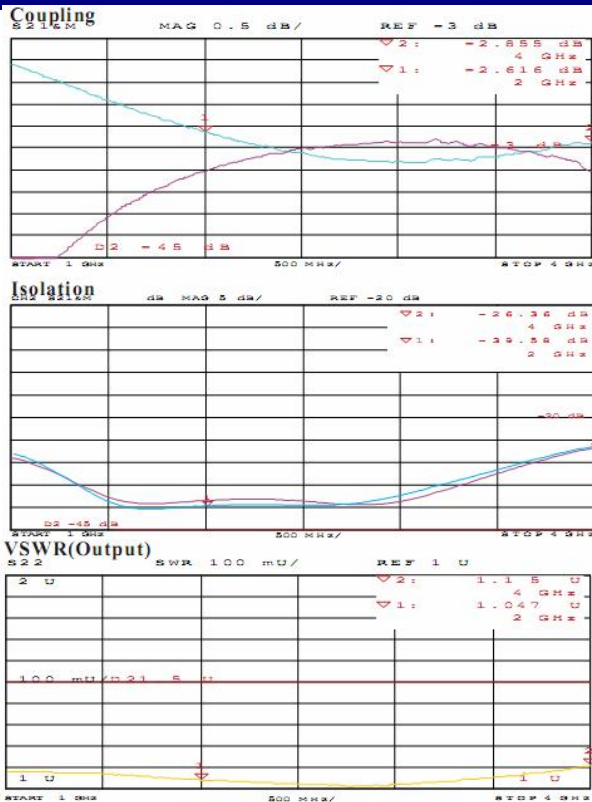
Frequency Range	Insertion Loss	Isolation	VSWR	Amplitude Balance
2-4GHz	0.35dB	17dB	1.30	±0.5dB
Phase Balance	Connector	Power Handling	Working Temperature	Storage Temperature
±2.5°	-	60W	-55~+100℃	-55~+125℃

Note It mainly is used for communication electronic equipments for military and commercial, radar and navigation fields, combining power, antenna and feeder network, splitting orthogonal power.

TYPICAL PLOT

Drop In 90° Hybrid and Combiner

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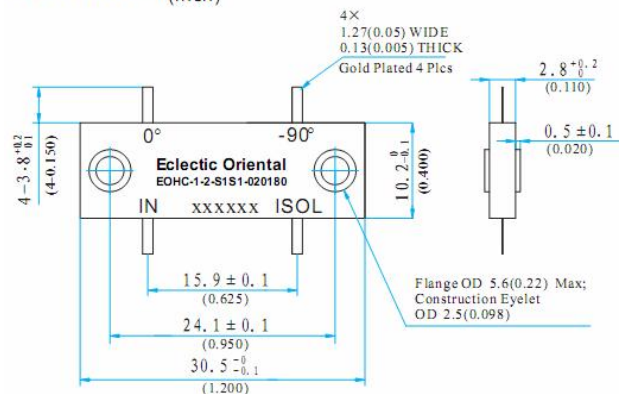
P/N: EOHC-1-2-S1S1-020180

FEATURES

- ❖ 90° 3dB Hybrid of Off-shell Package
- ❖ Octave Frequency Range
- ❖ Compact Size
- ❖ High Power

SPECIFICATIONS

OUTLINE: $\frac{\text{mm}}{(\text{inch})}$



Frequency Range	Insertion Loss	Isolation	VSWR	Amplitude Balance
1.5-3GHz	0.35dB	18dB	1.30	± 0.5 dB
Phase Balance	Connector	Power Handling	Working Temperature	Storage Temperature
$\pm 2.5^\circ$	-	80W	-55~+100℃	-55~+125℃

Hermers

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Fax: +86-25-85569295

Web Site: www.hermers.com

Email: sales@hermers.com

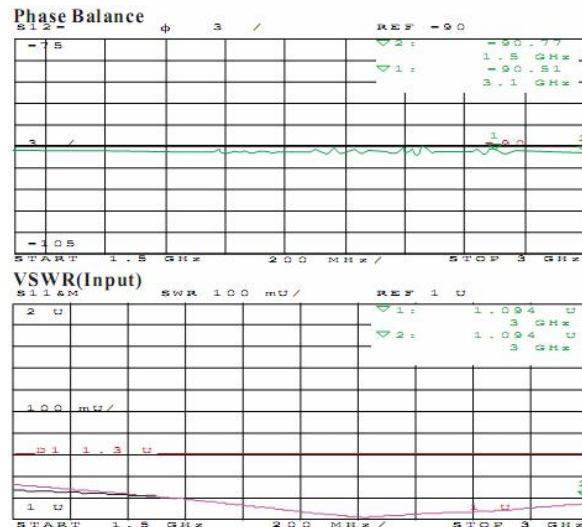
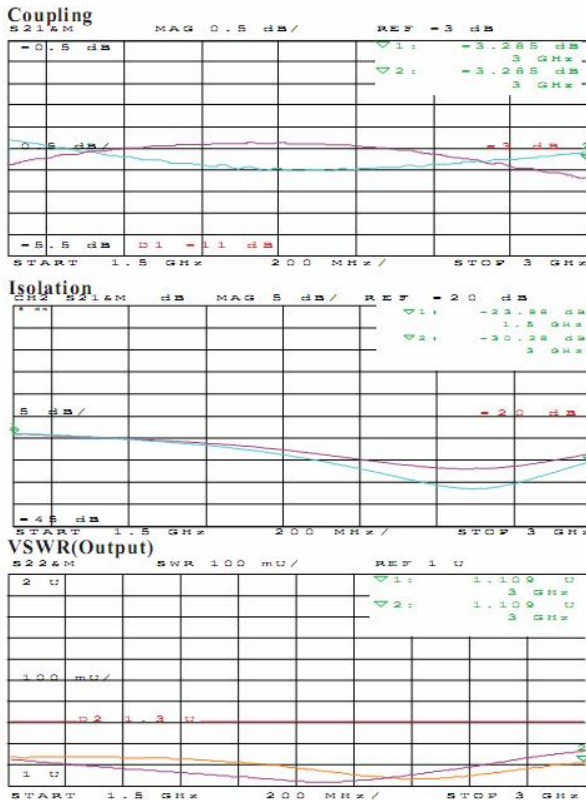
27

Drop In 90° Hybrid and Combiner



Note It mainly is used for communication electronic equipments for military and commercial, radar and navigation fields, combining power, antenna and feeder network, splitting orthogonal power.

TYPICAL PLOT



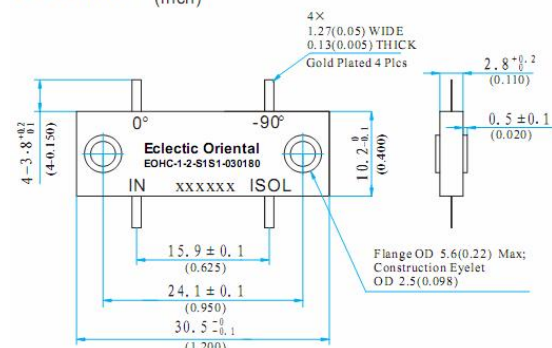
P/N: EOHC-1-2-S1S1-030180

FEATURES

- ❖ 90° 3dB Hybrid of Off-shell Package
- ❖ Octave Frequency Range
- ❖ Compact Size
- ❖ High Power

SPECIFICATIONS

OUTLINE: mm
(inch)



Frequency Range	Insertion Loss	Isolation	VSWR	Amplitude Balance
1.7-3.4GHz	0.35dB	17dB	1.30	±0.5dB
Phase Balance	Connector	Power Handling	Working Temperature	Storage Temperature
±2.5°	-	80W	-55~+100℃	-55~+125℃

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Fax: +86-25-85569295

Web Site: www.hermers.com

Email: info@hermers.com

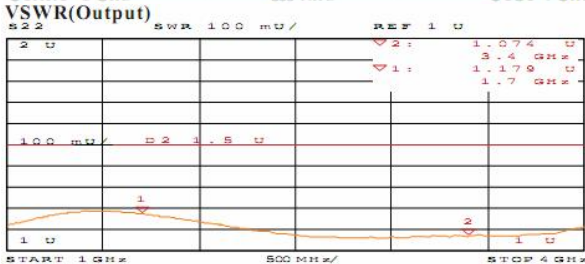
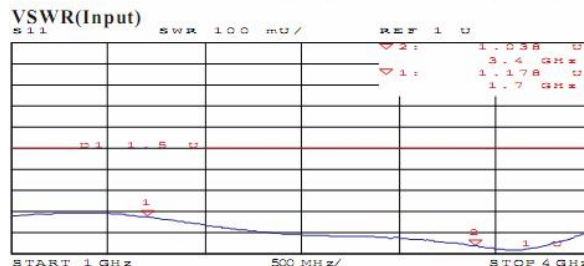
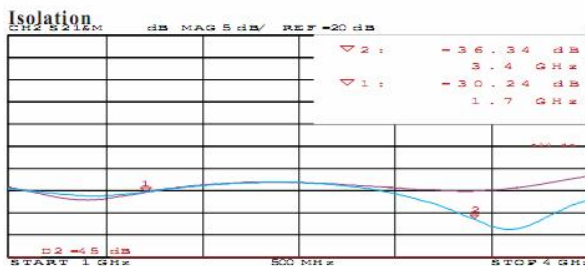
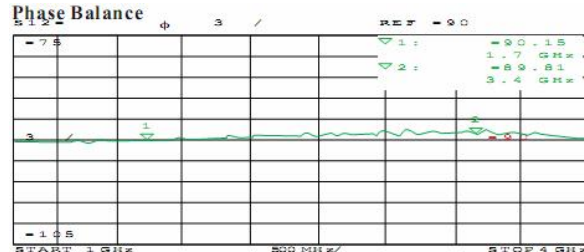
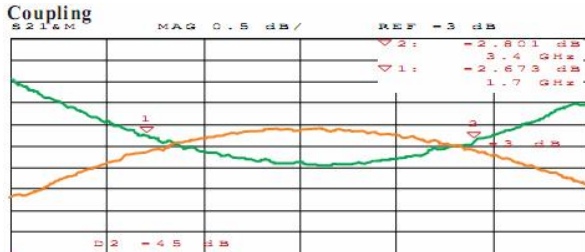
28

Drop In 90° Hybrid and Combiner



Note It mainly is used for communication electronic equipments for military and commercial, radar fields, combining power, antenna and feeder network, splitting orthogonal power.

TYPICAL PLOT



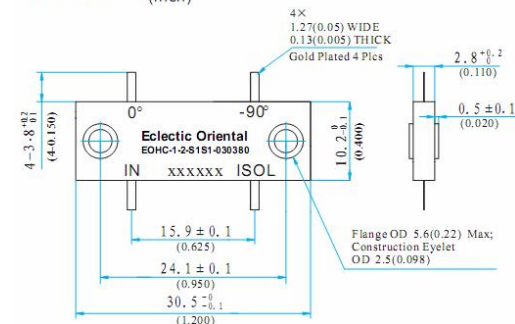
P/N: EOHC-1-2-S1S1-030280

FEATURES

- ❖ 90° 3dB Hybrid of Off-shell Package
- ❖ Octave Frequency Range
- ❖ Compact Size
- ❖ High Power

SPECIFICATIONS

OUTLINE: mm (inch)



Frequency Range	Insertion Loss	Isolation	VSWR	Amplitude Balance
3.1-3.4GHz	0.35dB	17dB	1.30	±0.3dB
Phase Balance	Connector	Power Handling	Working Temperature	Storage Temperature
±2.5°	-	80W	-55~+100℃	-55~+125℃

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W11-011

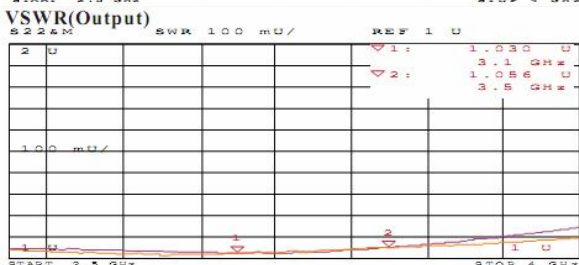
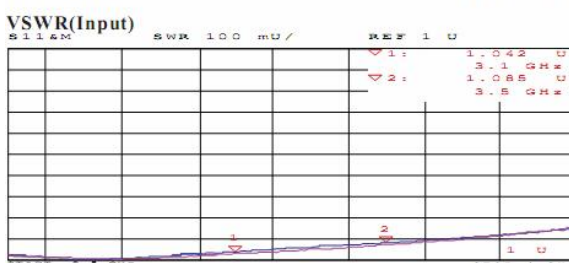
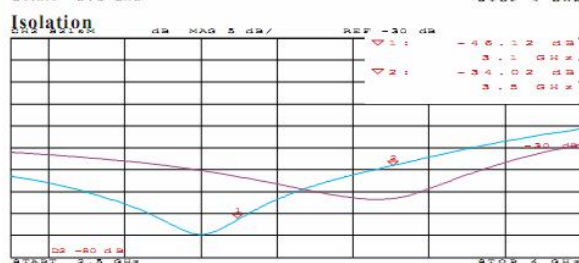
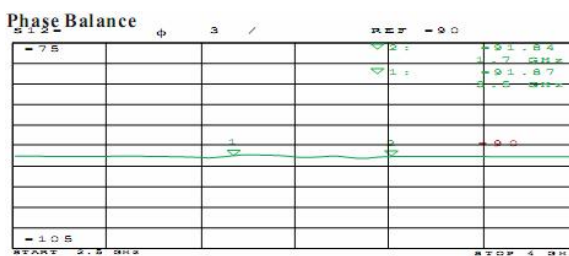
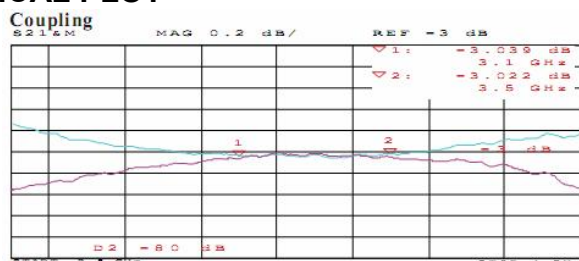
20

Drop In 90° Hybrid and Combiner

HERMERC'S

Note	It is specially optimized for radar, and mainly used for combining power on solid power amplifier and also antenna and feeder network on radar ,splitting orthogonal power.
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TYPICAL PLOT



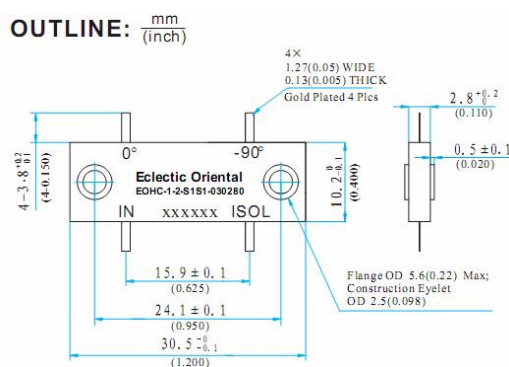
P/N: EOHC-1-2-S1S1-030380

FEATURES

- ❖ 90° 3dB Hybrid of Off-shell Package
- ❖ Octave Frequency Range
- ❖ Compact Size
- ❖ High Power

SPECIFICATIONS

Frequency Range	Insertion Loss	Isolation	VSWR	Amplitude Balance
2.2-2.9GHz	0.35dB	17dB	1.30	±0.3dB
Phase Balance	Connector	Power Handling	Working Temperature	Storage Temperature
±2.5°	-	80W	-55~+100℃	-55~+125℃

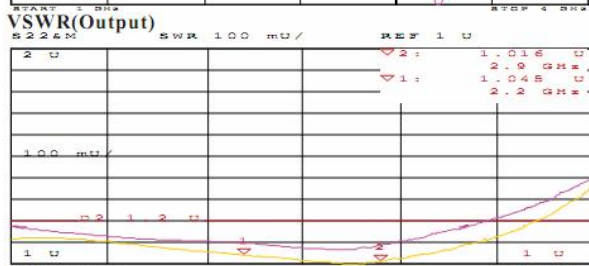
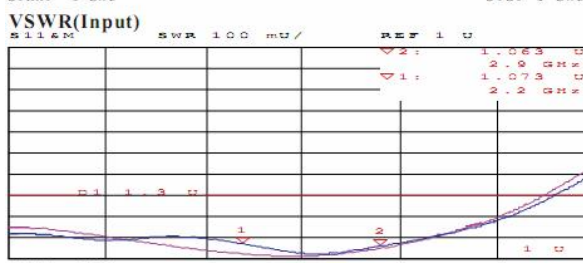
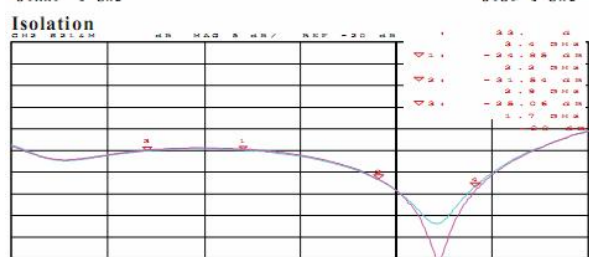
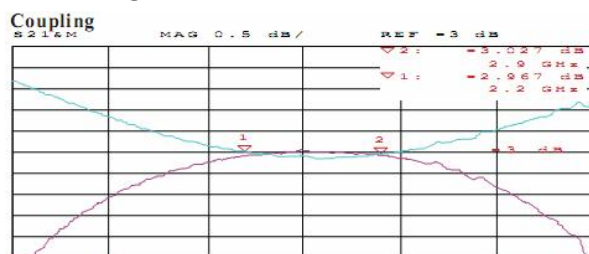


Drop In 90° Hybrid and Combiner

HERMERCs

Note It is specially optimized for radar, and mainly used for combining power on solid power amplifier and also antenna and feeder network on radar ,splitting orthogonal power.

TYPICAL PLOT

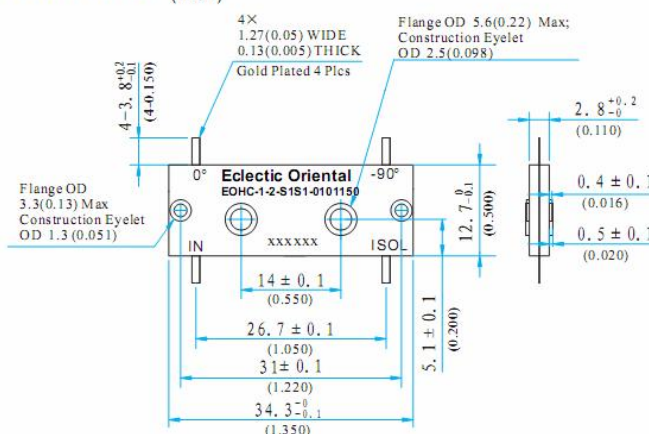


P/N: EOHC-1-2-S1S1-0101150

FEATURES

- ❖ 90° 3dB Hybrid of Off-shell Package
- ❖ Octave Frequency Range
- ❖ Compact Size
- ❖ High Power

OUTLINE: mm
(inch)



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W11-01150

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Drop In 90° Hybrid and Combiner

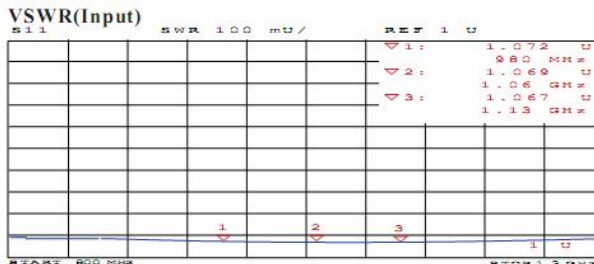
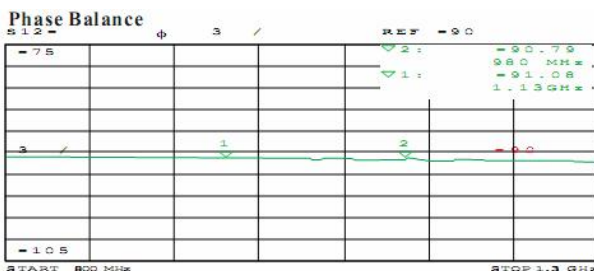
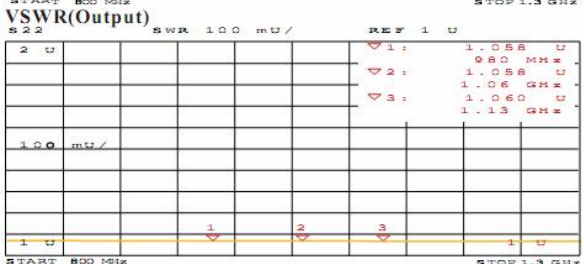
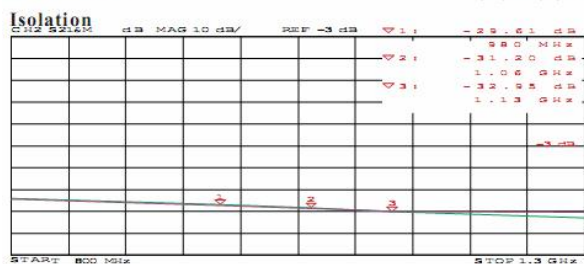
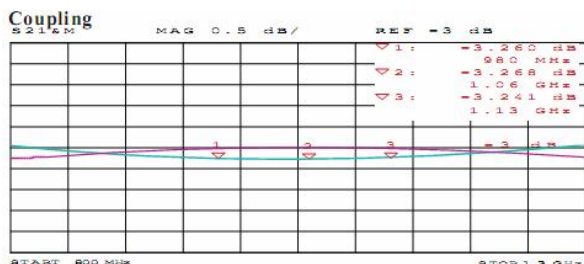


SPECIFICATIONS

Frequency Range	Insertion Loss	Isolation	VSWR	Amplitude Balance
0.95-1.225GHz	0.30dB	18dB	1.25	±0.3dB
Phase Balance	Connector	Power Handling	Working Temperature	Storage Temperature
±2.0°	-	150W	-55~+100℃	-55~+125℃

Note It is specially optimized for 2nd radar, identifying and navigation, and mainly used for combining power on solid power amplifier and also antenna and feeder network on radar ,splitting orthogonal power.

TYPICAL PLOT



Drop In 90° Hybrid and Combiner

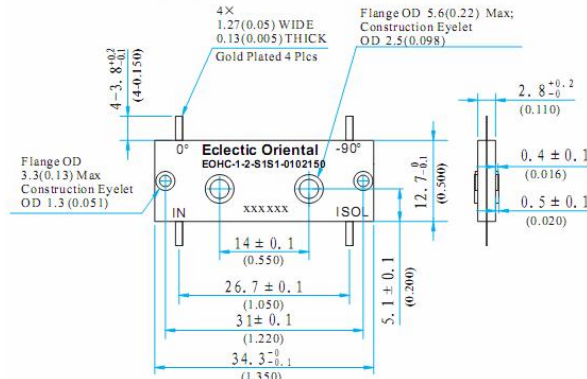


P/N: EOHC-1-2-S1S1-0102150

FEATURES

- ❖ 90° 3dB Hybrid of Off-shell Package
- ❖ Octave Frequency Range
- ❖ Compact Size
- ❖ High Power

OUTLINE: $\frac{\text{mm}}{(\text{inch})}$

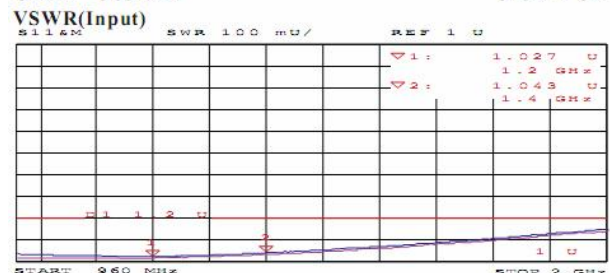
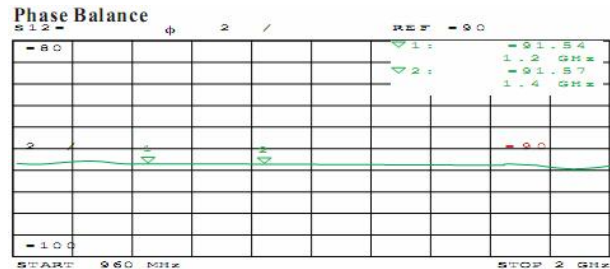
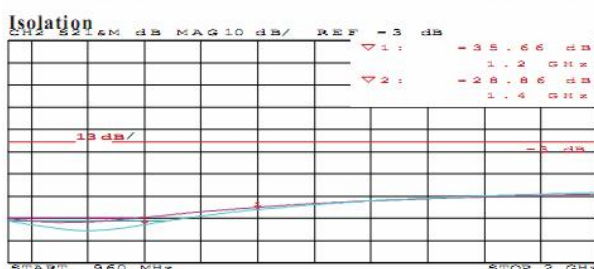
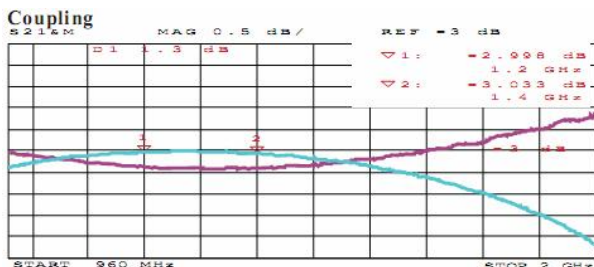


SPECIFICATIONS

Frequency Range	Insertion Loss	Isolation	VSWR	Amplitude Balance
1.2-1.4GHz	0.30dB	20dB	1.25	±0.3dB
Phase Balance	Connector	Power Handling	Working Temperature	Storage Temperature
±2.0°	-	150W	-55~+100℃	-55~+125℃

Note It is specially optimized for radar, and mainly used for combining power on solid power amplifier and also antenna and feeder network on radar ,splitting orthogonal power.

TYPICAL PLOT



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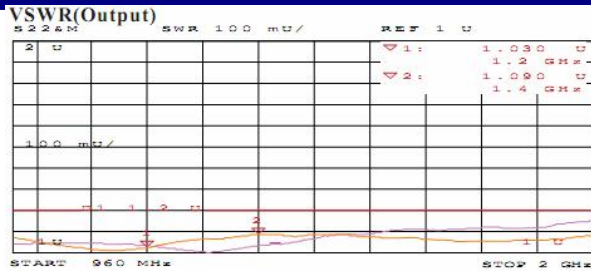
Fax: +86-25-85569295

Web Site: www.hermers.com

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Drop In 90° Hybrid and Combiner

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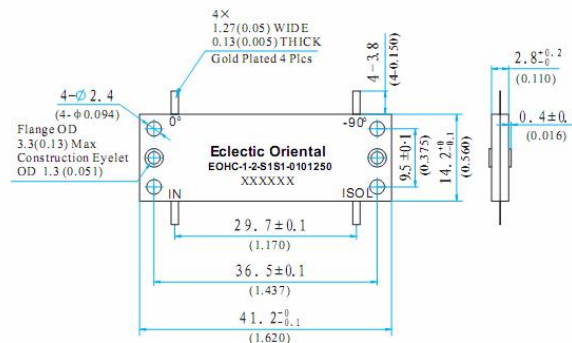


P/N: EOHC-1-2-S1S1-0101250

FEATURES

- ❖ 90° 3dB Hybrid of Off-shell Package
- ❖ Octave Frequency Range
- ❖ Compact Size
- ❖ High Power

OUTLINE: mm (inch)

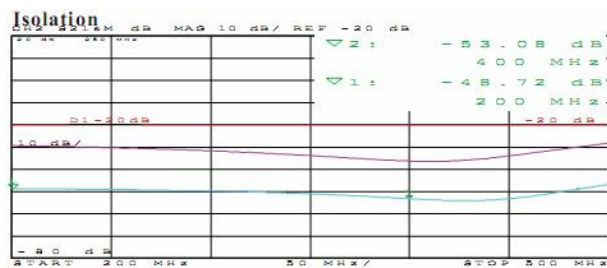
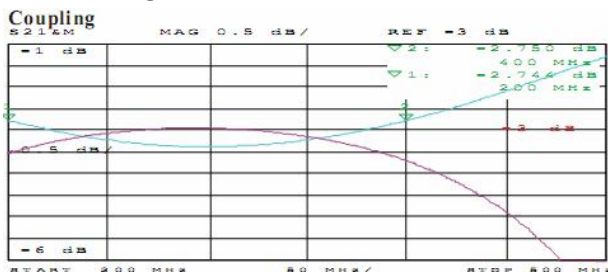


SPECIFICATIONS

Frequency Range	Insertion Loss	Isolation	VSWR	Amplitude Balance
0.2-0.4GHz	0.30dB	20dB	1.20	±0.5dB
Phase Balance	Connector	Power Handling	Working Temperature	Storage Temperature
±2.0°	-	250W	-55~+100℃	-55~+125℃

Note It is mainly used for electronic equipments of military and commercial like radio,digital group communication, combining power and splitting orthogonal power.

TYPICAL PLOT



Hermers

Add: 2th Floor, Building 8, Jingang Pioneering Center, 108# Ganjiabian dong, Qixia Dist, Nanjing, Jiangsu ,China, 210046

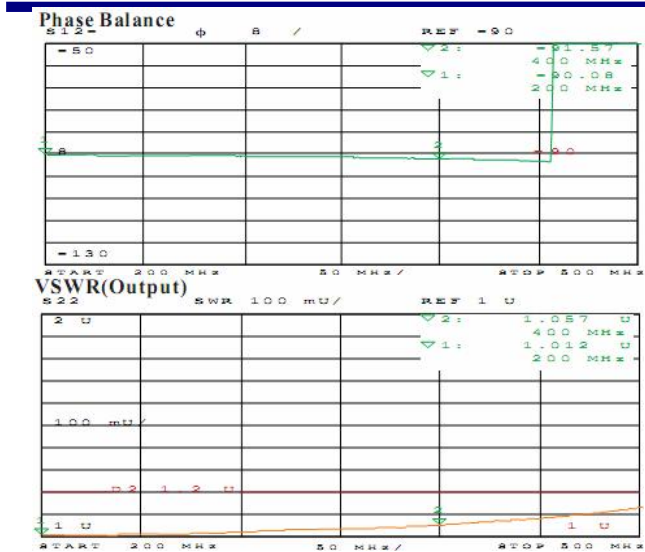
Tel: 86-25-85490880

Fax: +86-25-85569295

W11-011

24

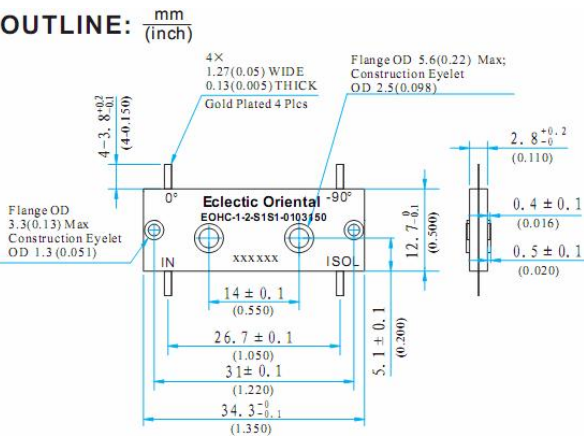
Drop In 90° Hybrid and Combiner



P/N: EOHC-1-2-S1S1-0103150

FEATURES

- ❖ 90° 3dB Hybrid of Off-shell Package
- ❖ Octave Frequency Range
- ❖ Compact Size
- ❖ High Power



SPECIFICATIONS

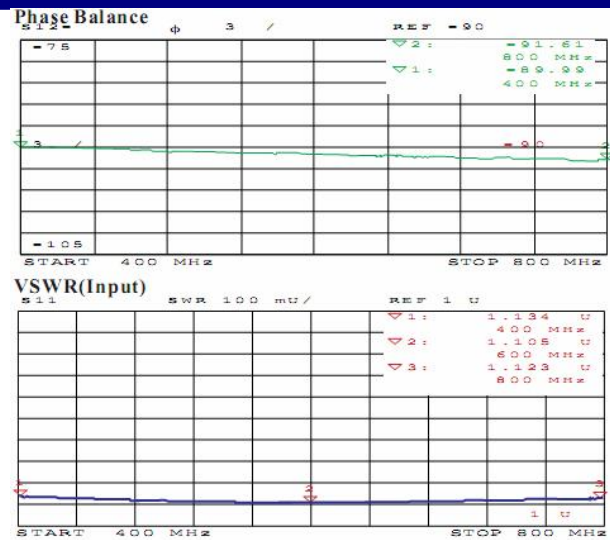
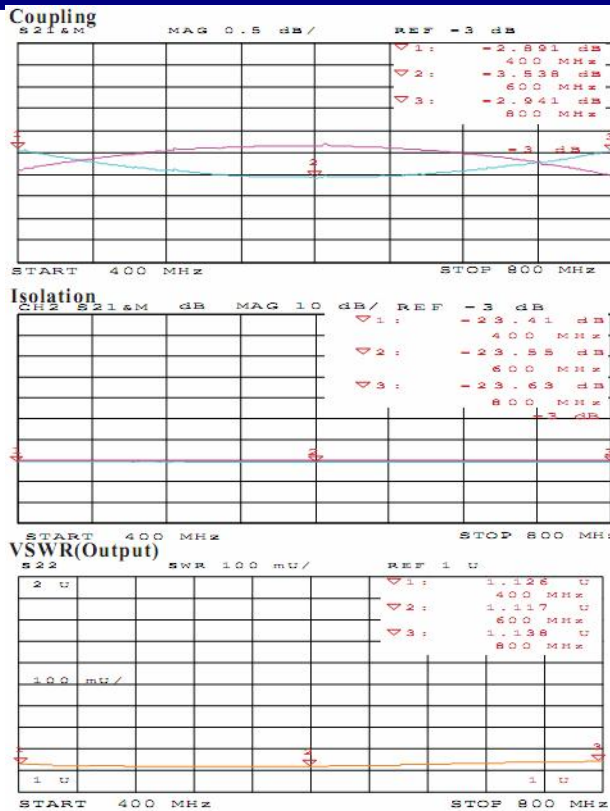
Frequency Range	Insertion Loss	Isolation	VSWR	Amplitude Balance
0.3-0.8GHz	0.30dB	20dB	1.20	±0.5dB
Phase Balance	Connector	Power Handling	Working Temperature	Storage Temperature
±2.0°	-	150W	-55~+100℃	-55~+125℃

Note It is mainly used for electronic equipments equipments of military and commercial like radio,digital group communication, combining power and splitting orthogonal power.

TYPICAL PLOT

Drop In 90° Hybrid and Combiner

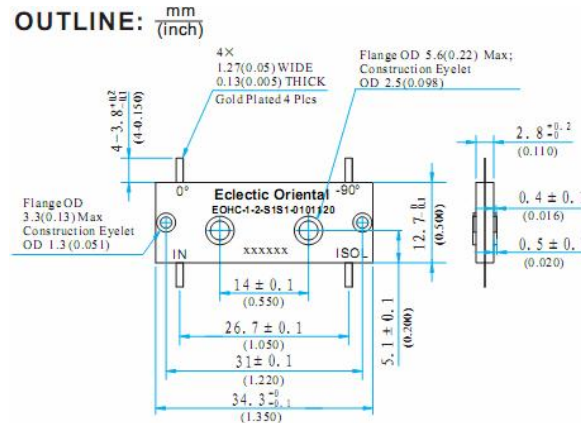
HERMERC'S



P/N: EOHC-1-2-S1S1-0101120

FEATURES

- ❖ 90° 3dB Hybrid of Off-shell Package
- ❖ Octave Frequency Range
- ❖ Compact Size
- ❖ High Power



SPECIFICATIONS

Frequency Range	Insertion Loss	Isolation	VSWR	Amplitude Balance
0.75-1.5GHz	0.30dB	18dB	1.25	±0.5dB
Phase Balance	Connector	Power Handling	Working Temperature	Storage Temperature
±2.0°	-	120W	-55~+100℃	-55~+125℃

Note It is specially optimized for radar, 2nd radar, identifying, navigation and GPS, and mainly used for combining power on solid power amplifier and also antenna and feeder network on radar, splitting orthogonal power.

TYPICAL PLOT

Hermers

Add: 2th Floor, Building 8, Jingang Pioneering Center, 108# Ganjiabian dong, Qixia Dist, Nanjing, Jiangsu, China, 210046

Tel: 86-25-85490880

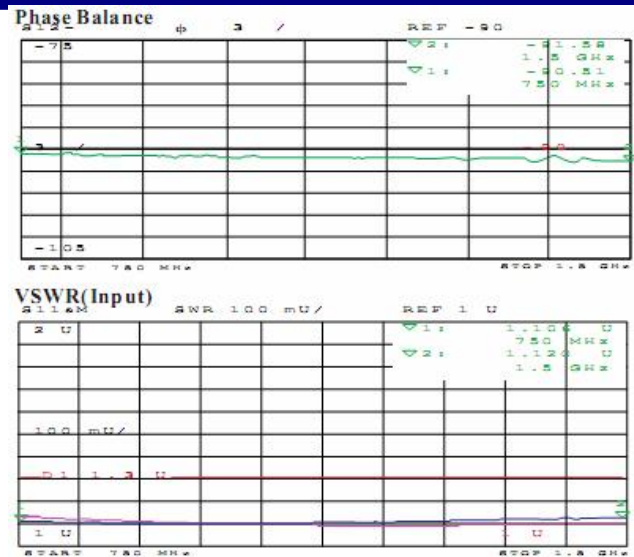
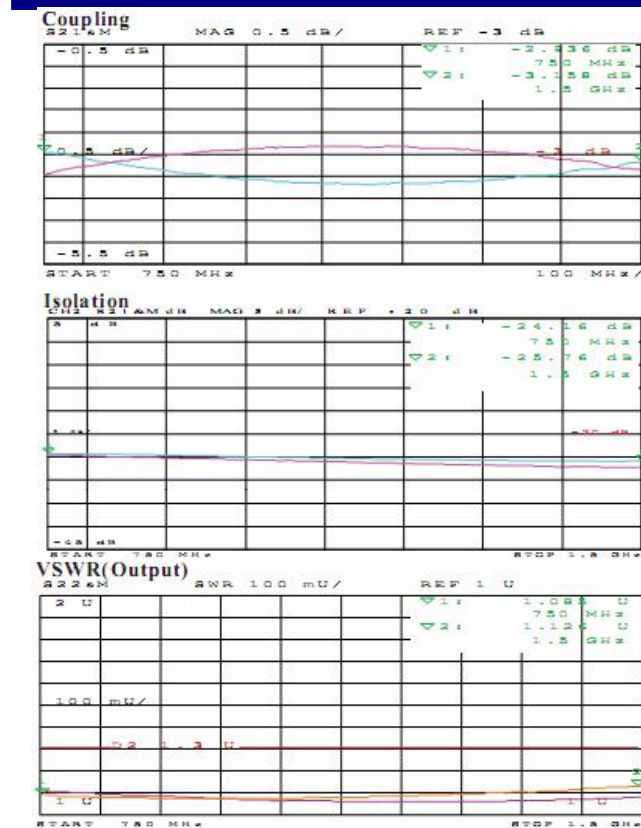
Fax: +86-25-85569295

Web Site:

26

Drop In 90° Hybrid and Combiner

HERMERC'S

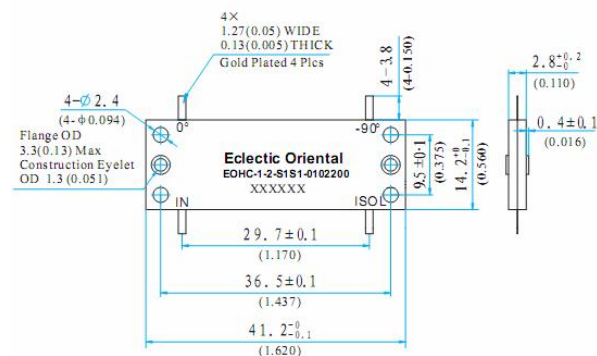


P/N: EOHC-1-2-S1S1-0102200

FEATURES

- ❖ 90° 3dB Hybrid of Off-shell Package
- ❖ Octave Frequency Range
- ❖ Compact Size
- ❖ High Power

OUTLINE: mm
(inch)



SPECIFICATIONS

Frequency Range	Insertion Loss	Isolation	VSWR	Amplitude Balance
0.25-0.5GHz	0.30dB	20dB	1.20	±0.5dB
Phase Balance	Connector	Power Handling	Working Temperature	Storage Temperature
±2.0°	-	200W	-55~+100℃	-55~+125℃

Note It is mainly used for electronic equipments of military and commercial like radio,digital group communication,combining power and splitting orthogonal power.

TYPICAL PLOT

Hermers

Add: 2th Floor, Building 8, Jingang Pioneering Center, 108# Ganjiabian dong, Qixia Dist, Nanjing, Jiangsu ,China, 210046

Tel: 86-25-85490880

Fax: +86-25-85569295

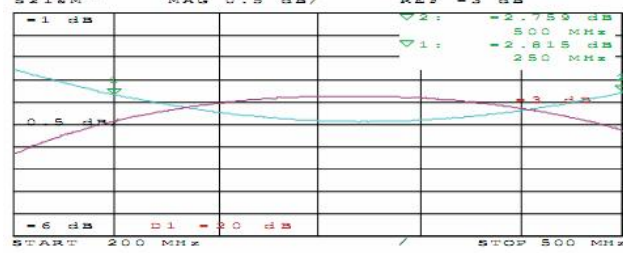
W11-S11

27

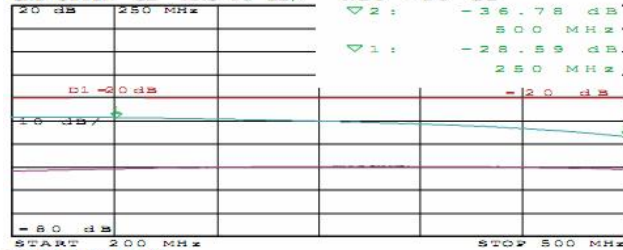
Drop In 90° Hybrid and Combiner

HERMERC'S

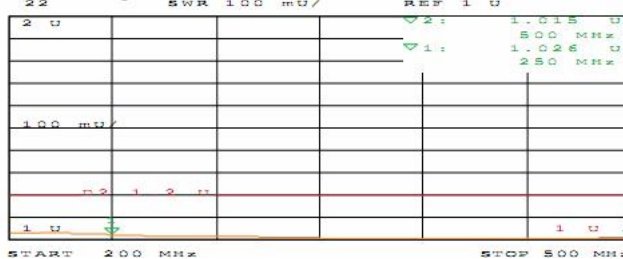
Coupling



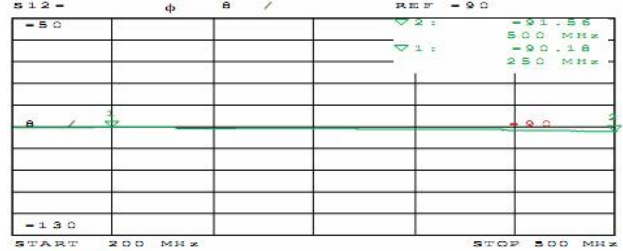
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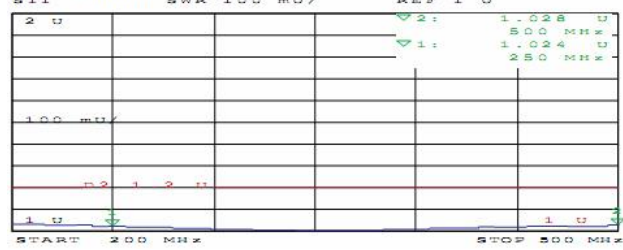
VSWR(Output)



Phase Balance



VSWR(Input)

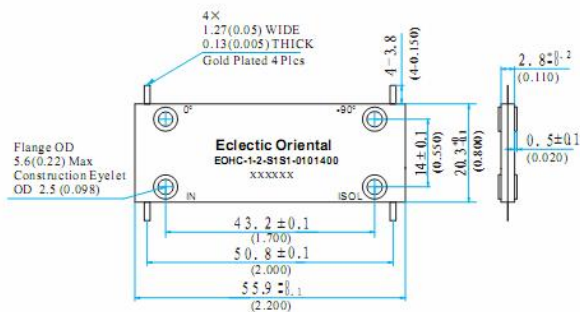


P/N: EOHC-1-2-S1S1-0101400

FEATURES

- ❖ 90° 3dB Hybrid of Off-shell Package
- ❖ Octave Frequency Range
- ❖ Compact Size
- ❖ High Power

OUTLINE: mm (inch)



SPECIFICATIONS

Frequency Range	Insertion Loss	Isolation	VSWR	Amplitude Balance
0.1-0.2GHz	0.30dB	18dB	1.20	±0.5dB
Phase Balance	Connector	Power Handling	Working Temperature	Storage Temperature
±2.0°	-	400W	-55~+100℃	-55~+125℃

Note It is mainly used for electronic equipments of military and commercial like radio,digital group communication,combining power and splitting orthogonal power.

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Tel: 86-25-85490880

Fax: +86-25-85569295

Web Site:

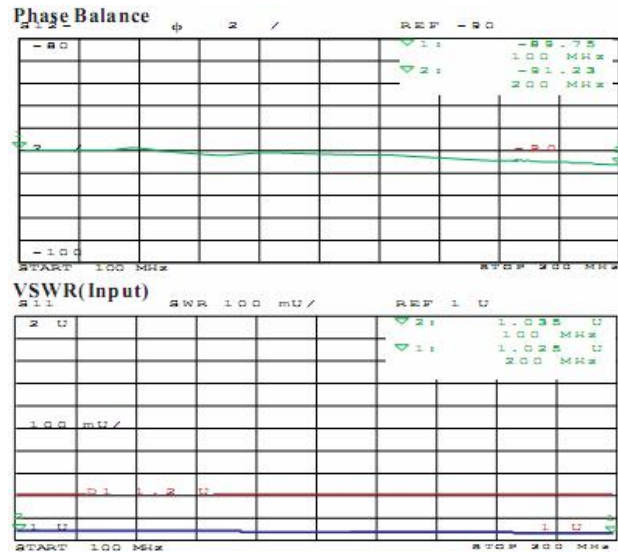
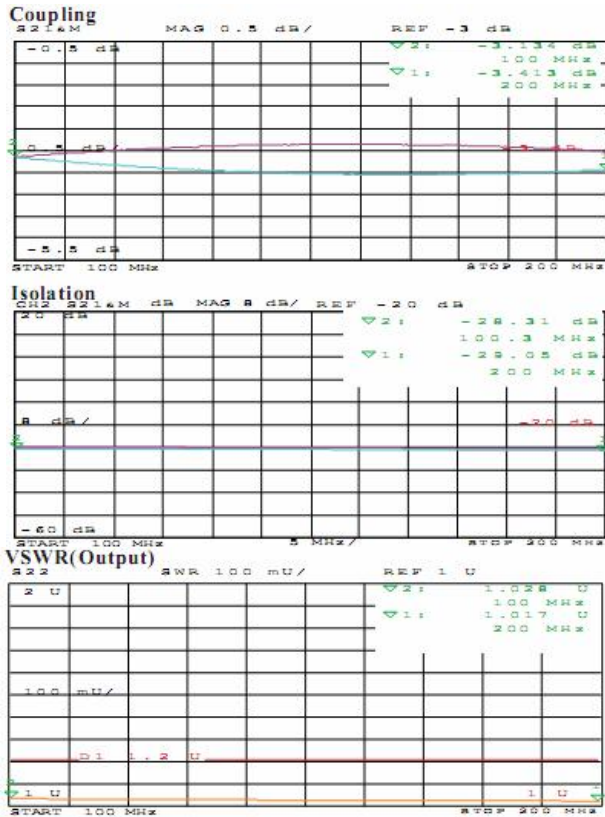
Email: Hermers@163.com

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Drop In 90° Hybrid and Combiner

HERMERC'S

TYPICAL PLOT

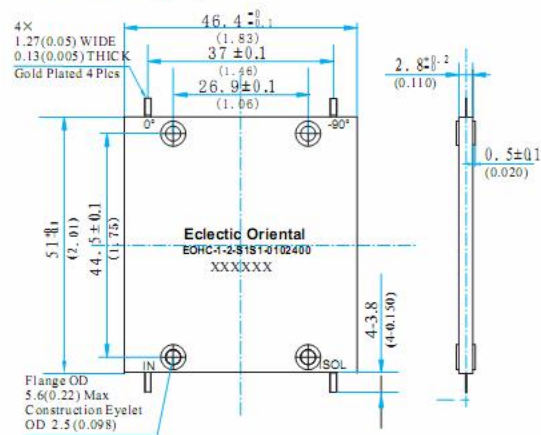


P/N: EOHC-1-2-S1S1-0102400

FEATURES

- ❖ 90° 3dB Hybrid of Off-shell Package
- ❖ Octave Frequency Range
- ❖ Compact Size
- ❖ High Power

OUTLINE: mm (inch)



SPECIFICATIONS

Hermers

Add: 2th Floor, Building 8, Jingang Pioneering Center, 108# Ganjiabian dong, Qixia Dist, Nanjing, Jiangsu ,China, 210046

Tel: 86-25-85490880

Fax: +86-25-85569295

W11-011

F11-011

20

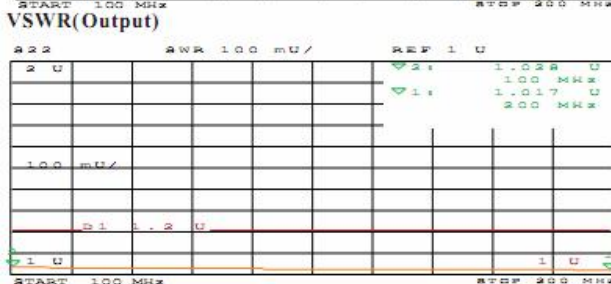
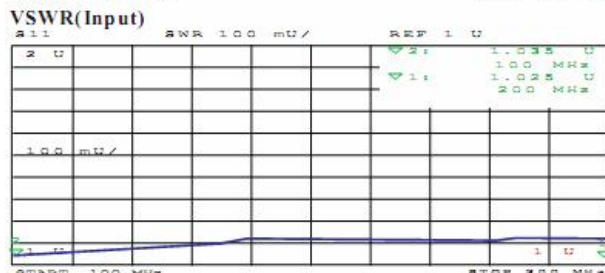
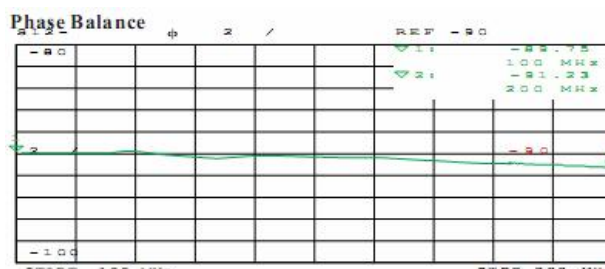
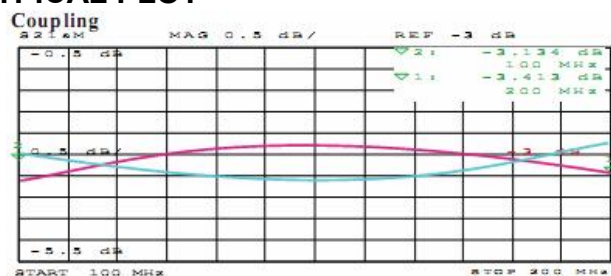
Drop In 90° Hybrid and Combiner

HERMERCs

Frequency Range	Insertion Loss	Isolation	VSWR	Amplitude Balance
0.1-0.2GHz	0.30dB	20dB	1.20	±0.5dB
Phase Balance	Connector	Power Handling	Working Temperature	Storage Temperature
±2.0°	-	400W	-55~+100℃	-55~+125℃

Note It is mainly used for electronic equipments of military and commercial like radio,digital group communication,combining power and splitting orthogonal power.

TYPICAL PLOT

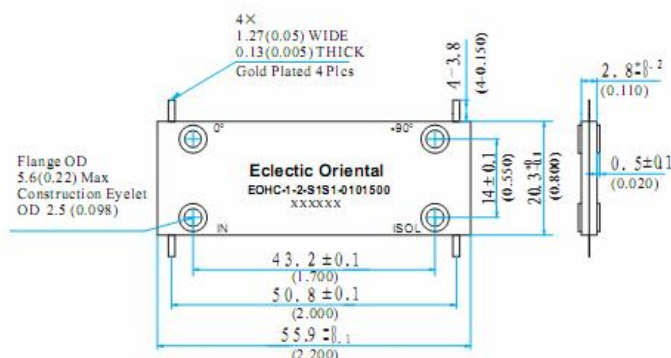


P/N: EOHC-1-2-S1S1-0101500

FEATURES

- ❖ 90° 3dB Hybrid of Off-shell Package
- ❖ Octave Frequency Range
- ❖ Compact Size
- ❖ High Power

OUTLINE: mm (inch)



Hermers

Add: 2th Floor, Building 8, Jingang Pioneering Center, 108# Gaoyuan Road, Qidong District, Nantong, Jiangsu, China, 210046

Tel: 86-25-85490880

Fax: +86-25-85569295

Drop In 90° Hybrid and Combiner



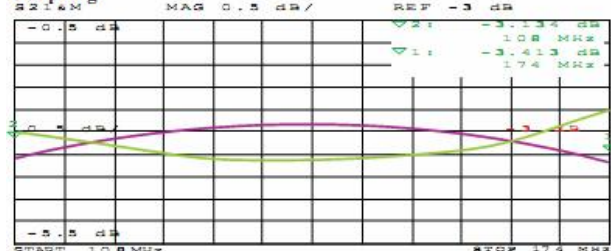
SPECIFICATIONS

Frequency Range	Insertion Loss	Isolation	VSWR	Amplitude Balance
0.108-0.174GHz	0.30dB	20dB	1.20	±0.3dB
Phase Balance	Connector	Power Handling	Working Temperature	Storage Temperature
±2.0°	-	500W	-55~+100℃	-55~+125℃

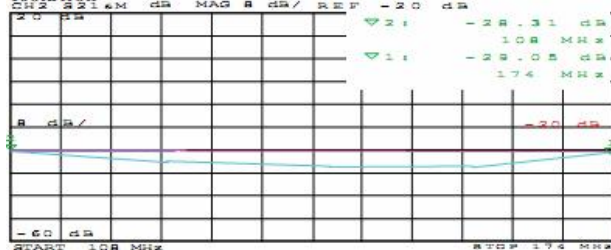
Note It is specially optimized for 108MHz~174MHz communication system,and mainly used for communication equipments of military and commercial like radio,digital group communication,combining power and splitting orthogonal power.

TYPICAL PLOT

Coupling



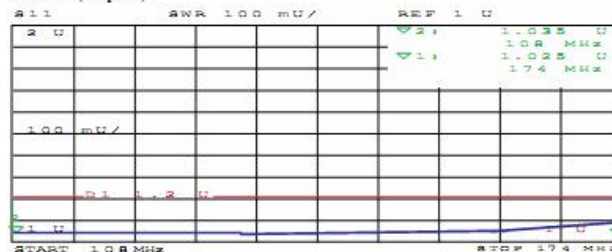
Isolation



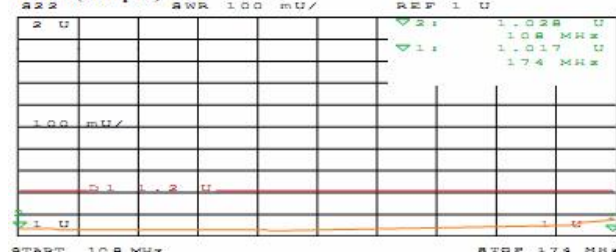
Phase Balance



VSWR(Input)



VSWR(Output)



Drop In 90° Hybrid and Combiner

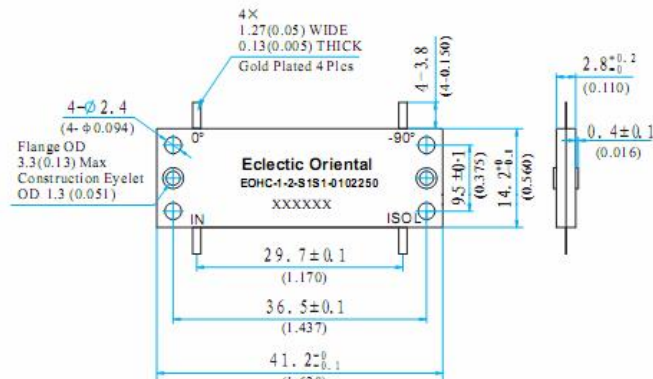


P/N: EOHC-1-2-S1S1-0102250

FEATURES

- ❖ 90° 3dB Hybrid of Off-shell Package
- ❖ Octave Frequency Range
- ❖ Compact Size
- ❖ High Power

OUTLINE: $\frac{\text{mm}}{\text{(inch)}}$

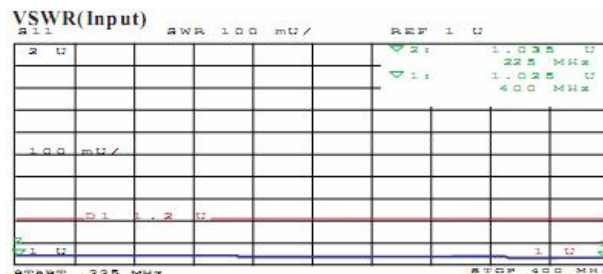
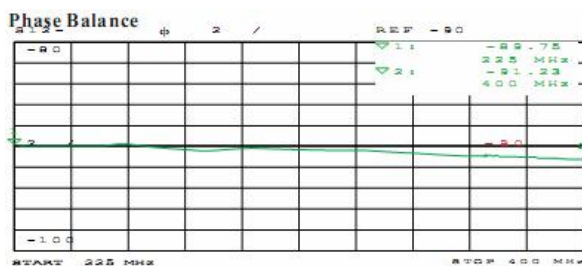
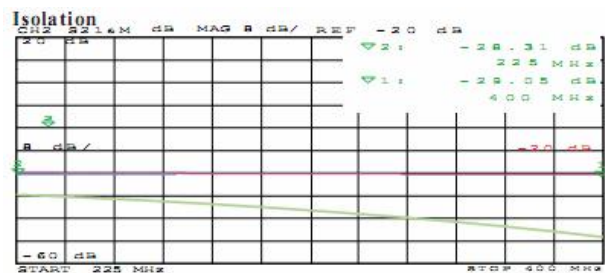
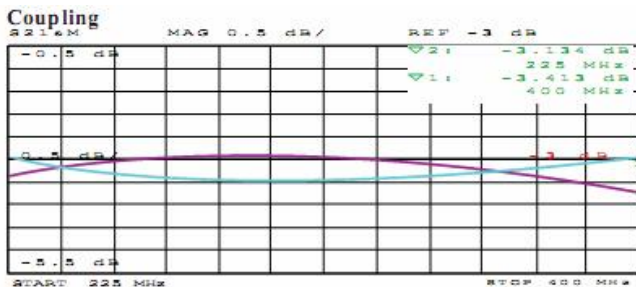


SPECIFICATIONS

Frequency Range	Insertion Loss	Isolation	VSWR	Amplitude Balance
0.225-0.400GHz	0.30dB	20dB	1.20	±0.5dB
Phase Balance	Connector	Power Handling	Working Temperature	Storage Temperature
±2.0°	-	250W	-55~+100℃	-55~+125℃

Note It is specially optimized for 225MHz~400MHz communication system, and mainly used for communication equipments of military and commercial like radio, digital group communication, combining power and splitting orthogonal power.

TYPICAL PLOT



Hermers

Add: 2th Floor, Building 8, Jingang Pioneering Center, 108# Ganjiabian dong, Qixia Dist, Nanjing, Jiangsu, China, 210046

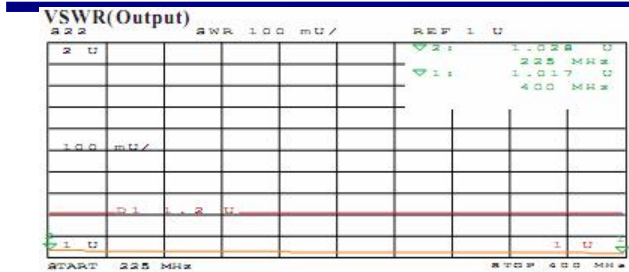
Tel: 86-25-85490880

Fax: +86-25-85569295

Web Site: www.hermers.com

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Drop In 90° Hybrid and Combiner

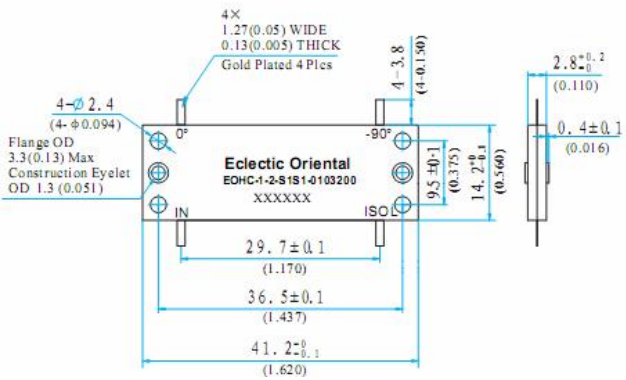


P/N: EOHC-1-2-S1S1-0103200

FEATURES

- ❖ 90° 3dB Hybrid of Off-shell Package
- ❖ Octave Frequency Range
- ❖ Compact Size
- ❖ High Power

OUTLINE: mm
(inch)



SPECIFICATIONS

Frequency Range	Insertion Loss	Isolation	VSWR	Amplitude Balance
0.225-0.512GHz	0.60dB	20dB	1.20	±0.5dB
Phase Balance	Connector	Power Handling	Working Temperature	Storage Temperature
±2.0°	-	200W	-55~+100℃	-55~+125℃

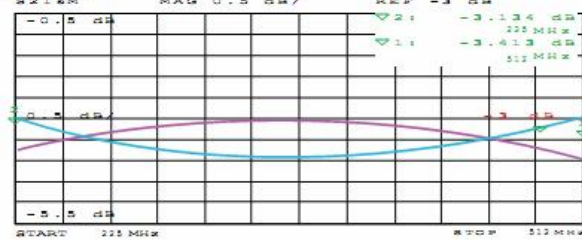
Note It is specially optimized for 225MHz~512MHz communication system,and mainly used for communication equipments of military and commercial like radio,digital group communication,combining power and splitting orthogonal power.

TYPICAL PLOT

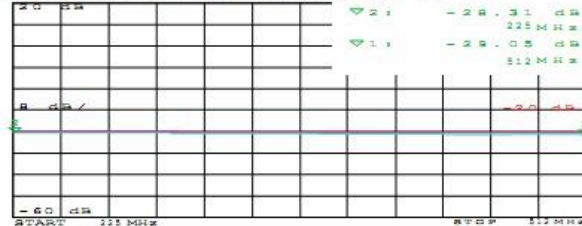
Drop In 90° Hybrid and Combiner

HERMERC'S

Coupling



Isolation



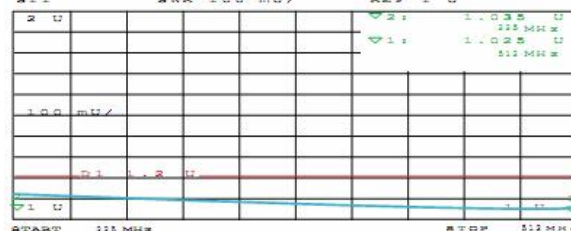
VSWR(Output)



Phase Balance



VSWR(Input)

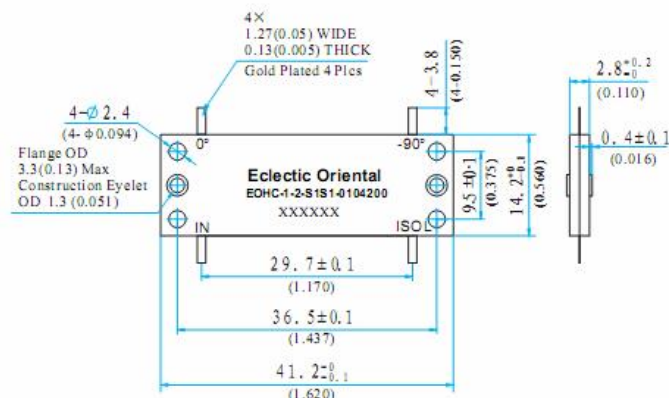


P/N: EOHC-1-2-S1S1-0104200

FEATURES

- ❖ 90° 3dB Hybrid of Off-shell Package
- ❖ Octave Frequency Range
- ❖ Compact Size
- ❖ High Power

OUTLINE: $\frac{\text{mm}}{(\text{inch})}$



SPECIFICATIONS

Frequency Range	Insertion Loss	Isolation	VSWR	Amplitude Balance
0.380-0.512GHz	0.30dB	20dB	1.20	±0.3dB
Phase Balance	Connector	Power Handling	Working Temperature	Storage Temperature
±2.0°	-	200W	-55~+100℃	-55~+125℃

Hermers

Add: 2th Floor, Building 8, Jingang Pioneering Center, 108# Ganjiabian dong, Qixia Dist, Nanjing, Jiangsu ,China, 210046

Tel: 86-25-85490880

Fax: +86-25-85569295

W11-011

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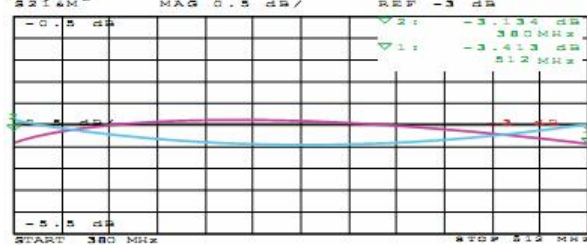
Drop In 90° Hybrid and Combiner

HERMERCs

Note It is specially optimized for 380MHz~512MHz communication system,and mainly used for communication equipments of military and commercial like radio,digital group communication,combining power and splitting orthogonal power.

TYPICAL PLOT

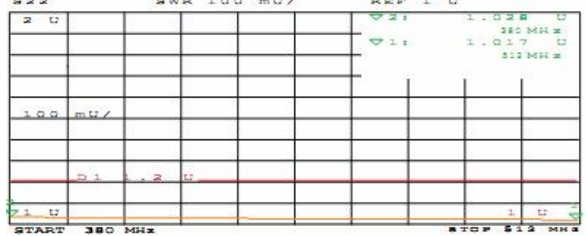
Coupling



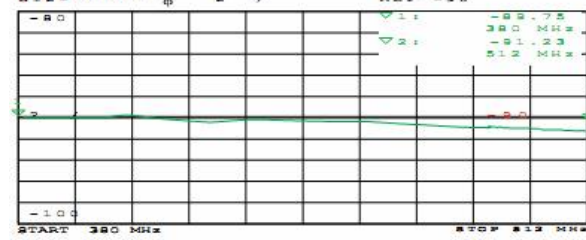
Isolation



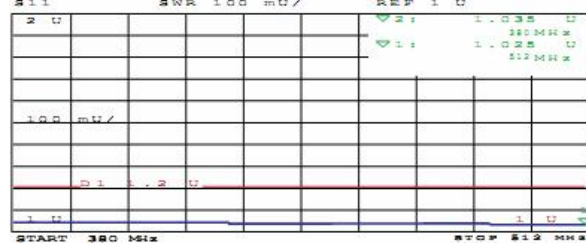
VSWR(Output)



Phase Balance



VSWR(Input)

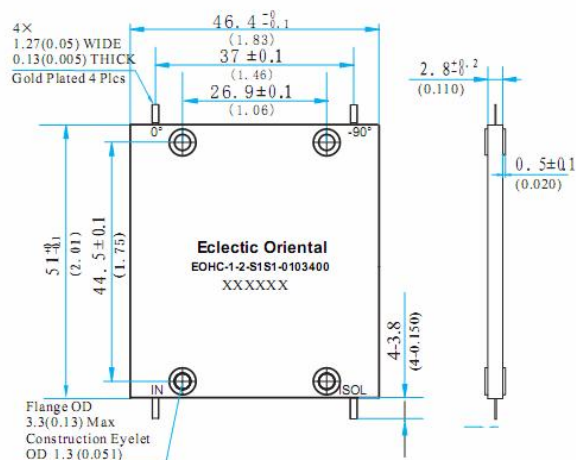


P/N: EOHC-1-2-S1S1-0103400

FEATURES

- ❖ 90° 3dB Hybrid of Off-shell Package
- ❖ Octave Frequency Range
- ❖ Compact Size
- ❖ High Power

OUTLINE: mm
(inch)



Hermers

Add: 2th Floor, Building 8, Jingang Pioneering Center, 108# Ganjiabian dong, Qixia Dist, Nanjing, Jiangsu ,China, 210046

Tel: 86-25-85490880

Fax: +86-25-85569295

Web Site: www.hermers.com

Email: hermers@hermers.com

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Drop In 90° Hybrid and Combiner



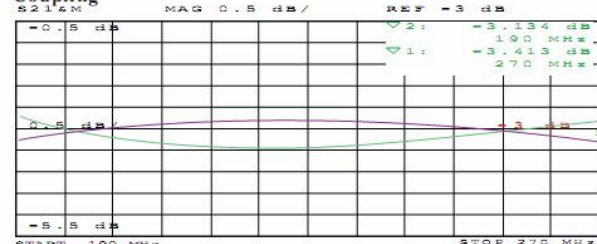
SPECIFICATIONS

Frequency Range	Insertion Loss	Isolation	VSWR	Amplitude Balance
0.190-0.270GHz	0.30dB	20dB	1.20	±0.5dB
Phase Balance	Connector	Power Handling	Working Temperature	Storage Temperature
±2.0°	-	400W	-55~+100℃	-55~+125℃

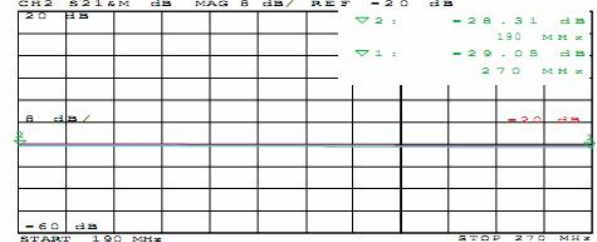
Note It is specially optimized for 190MHz~270MHz communication system,and mainly used for communication equipments of military and commercial like radio,digital group communication,combining power and splitting orthogonal power.

TYPICAL PLOT

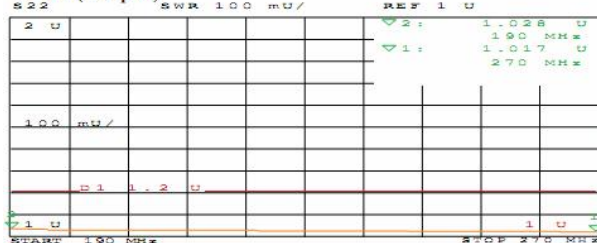
Coupling



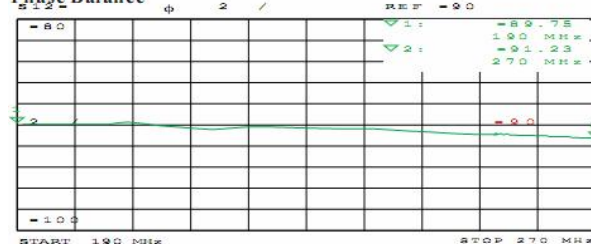
Isolation



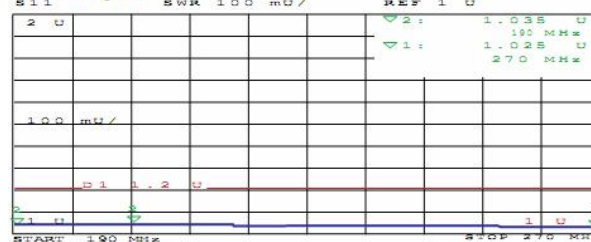
VSWR(Output)



Phase Balance



VSWR(Input)



Drop In 90° Hybrid and Combiner



P/N: EOHC-1-2-S2S2-0101400

FEATURES

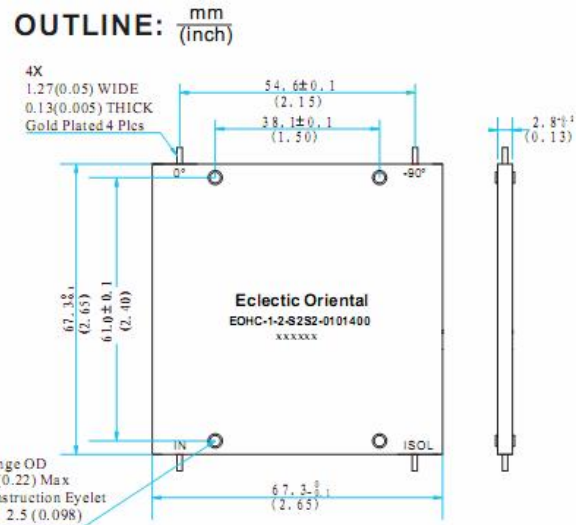
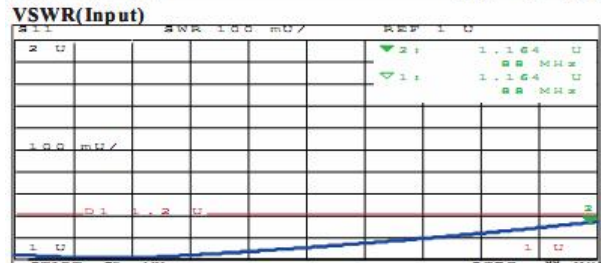
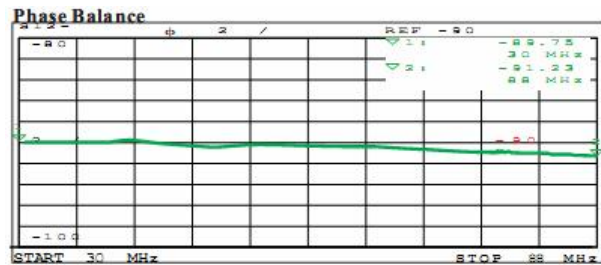
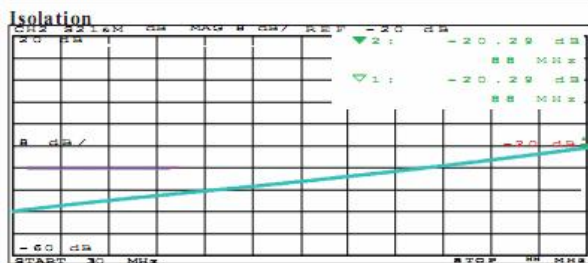
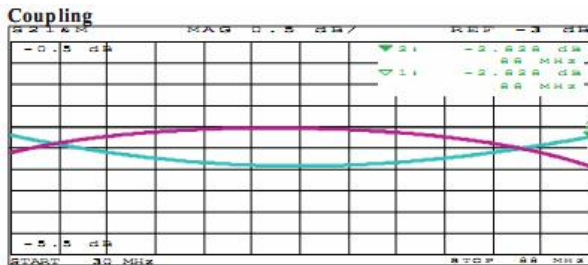
- ❖ 90° 3dB Hybrid of Off-shell Package
- ❖ Octave Frequency Range
- ❖ Compact Size
- ❖ High Power

SPECIFICATIONS

Frequency Range	Insertion Loss	Isolation	VSWR	Amplitude Balance
0.030-0.088GHz	0.60dB	16dB	1.30	±1.0dB
Phase Balance	Connector	Power Handling	Working Temperature	Storage Temperature
±6.0°	-	400W	-55~+100℃	-55~+125℃

Note It is specially optimized for 30MHz~88MHz communication system,and mainly used for communication equipments of military and commercial like radio,digital group communication,combining power and splitting orthogonal power.

TYPICAL PLOT



Drop In 90° Hybrid and Combiner

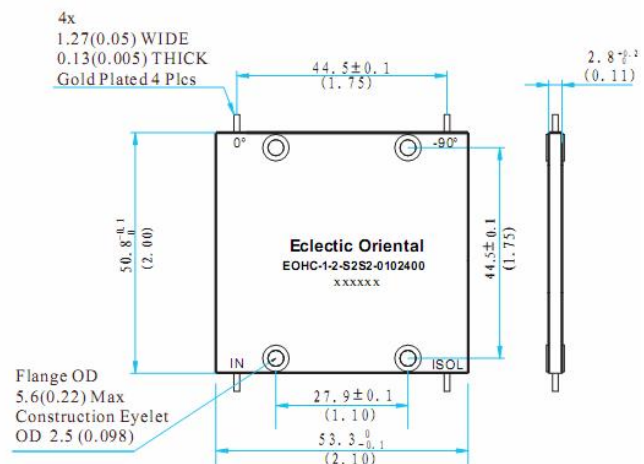


P/N: EOHC-1-2-S2S2-0102400

FEATURES

- ❖ 90° 3dB Hybrid of Off-shell Package
- ❖ Octave Frequency Range
- ❖ Compact Size
- ❖ High Power

OUTLINE: $\frac{\text{mm}}{(\text{inch})}$

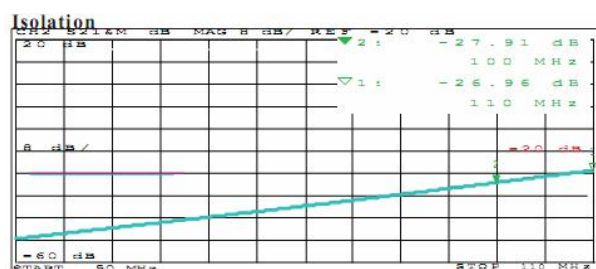
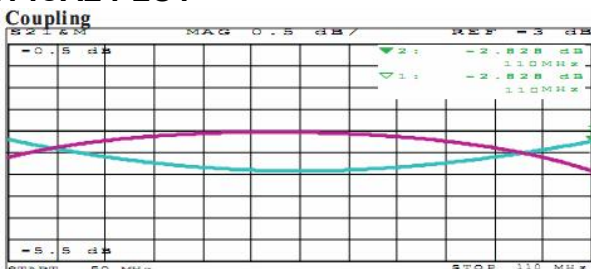


SPECIFICATIONS

Frequency Range	Insertion Loss	Isolation	VSWR	Amplitude Balance
0.050-0.110GHz	0.30dB	23dB	1.20	±0.55dB
Phase Balance	Connector	Power Handling	Working Temperature	Storage Temperature
±2.5°	-	400W	-55~+100℃	-55~+125℃

Note It is specially optimized for 50MHz~110MHz communication system,and mainly used for communication equipments of military and commercial like radio,digital group communication,combining power and splitting orthogonal power.

TYPICAL PLOT



Hermers

Add: 2th Floor, Building 8, Jingang Pioneering Center, 108# Ganjiabian dong, Qixia Dist, Nanjing, Jiangsu ,China, 210046

Tel: 86-25-85490880

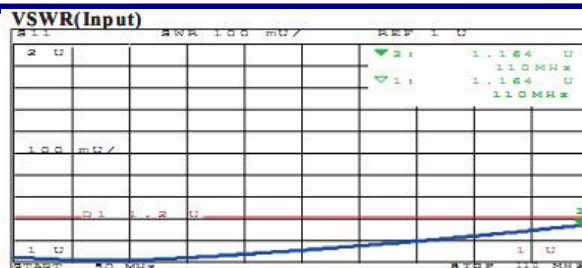
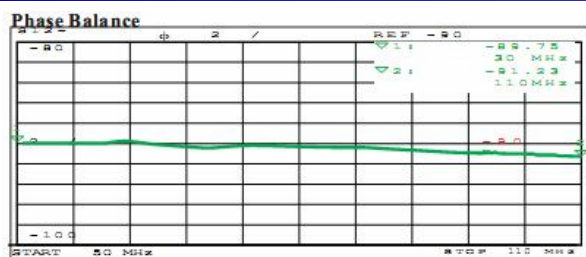
Fax: +86-25-85569295

Web Site: www.hermers.com

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Drop In 90° Hybrid and Combiner

HERMERC'S



Stripline 90° Hybrid (N Type Connector)

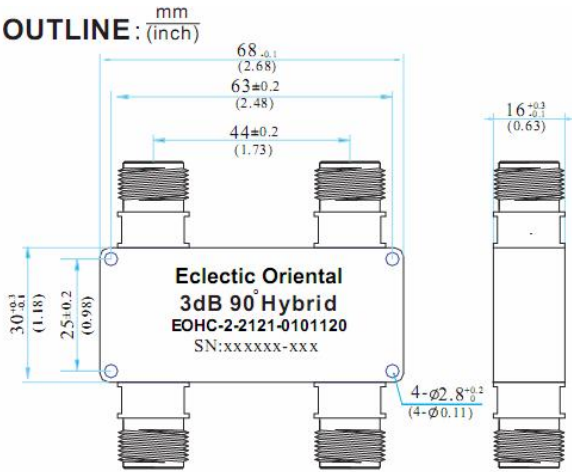


P/N: EOHC-2-2121 -0101120

FEATURES

- ❖ N-F Connector and Strip Line Structure on Circuit
- ❖ Low Insertion Loss
- ❖ High Isolation
- ❖ High Power Handling

SPECIFICATIONS



Frequency Range	Insertion Loss	Isolation	VSWR	Amplitude Balance
0.38-0.52GHz	0.30dB	22dB	1.20	±0.30dB
Phase Balance	Connector	Power Handling	Working Temperature	Storage Temperature
±3°	N-F	120W	-20~+70℃	-40~+70℃

Note1 It is specially designed for wireless communication can be used for BTS and repeaters of GSM,CDMA and WCDMA.

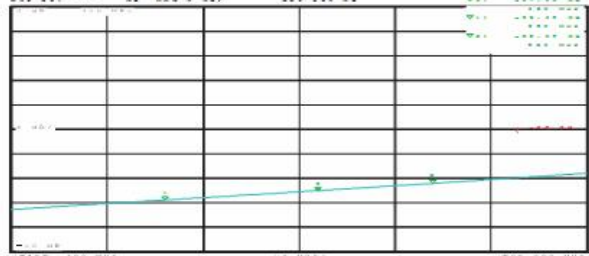
Note2 It is Hermercs standard product and can be customized. .

TYPICAL PLOT

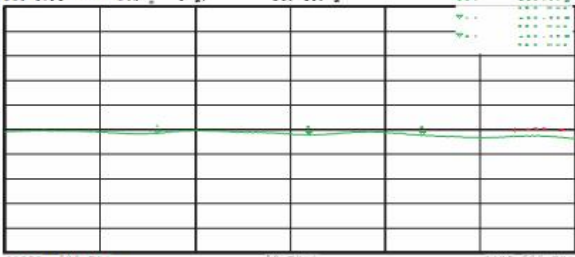
Insertion loss



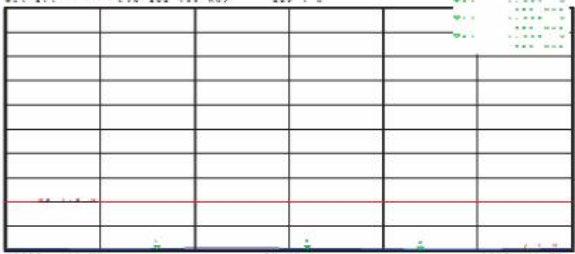
Isolation



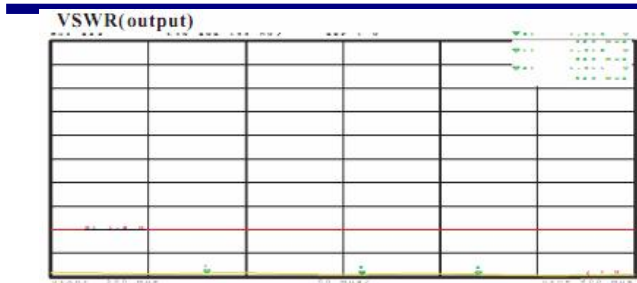
Phase Balance



VSWR(input)



Stripline 90° Hybrid (N Type Connector)

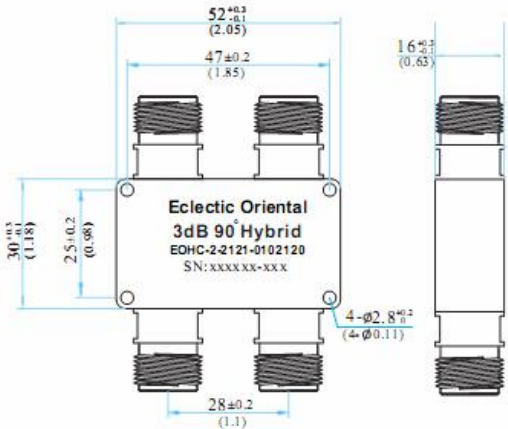


P/N: EOHC-2-2121 -0102120

FEATURES

- ❖ N-F Connector and Strip Line Structure on Circuit
- ❖ Low Insertion Loss
- ❖ High Isolation
- ❖ High Power Handling

OUTLINE : $\frac{\text{mm}}{(\text{inch})}$

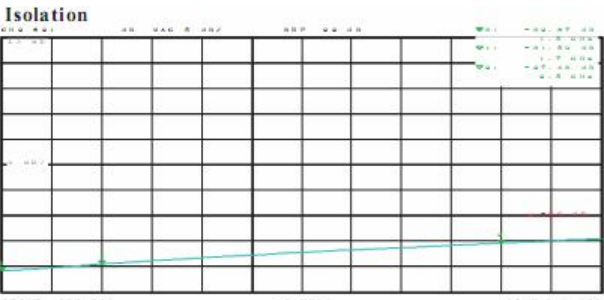
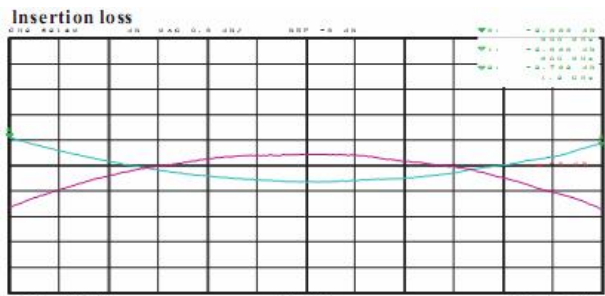


SPECIFICATIONS

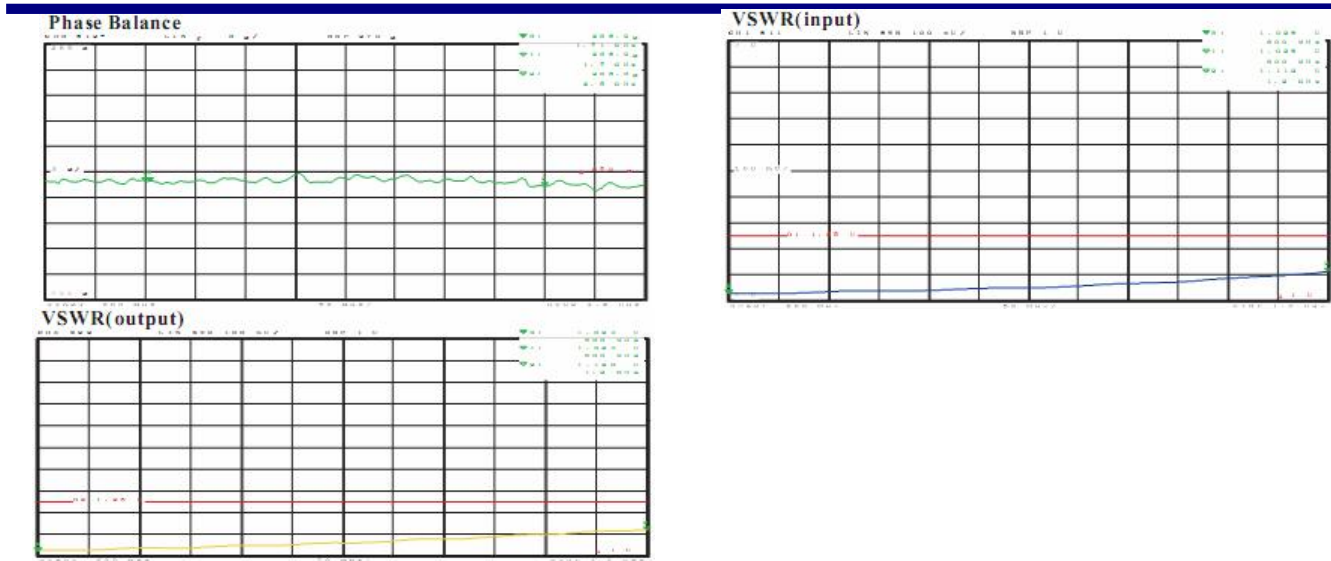
Frequency Range	Insertion Loss	Isolation	VSWR	Amplitude Balance
0.8-1.0GHz	0.30dB	22dB	1.20	±0.30dB
Phase Balance	Connector	Power Handling	Working Temperature	Storage Temperature
±3°	N-F	120W	-20~+70℃	-40~+70℃

- Note1 It is specially designed for wireless communication can be used for BTS and repeaters of GSM,CDMA and WCDMA.
- Note2 It is Hermercs standard product and can be customized. .

TYPICAL PLOT



Stripline 90° Hybrid (N Type Connector)

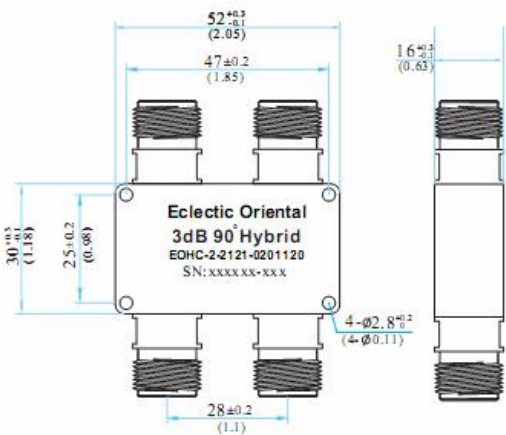


P/N: EOHC-2-2121-0201120

FEATURES

- ❖ N-F Connector and Strip Line Structure on Circuit
- ❖ Low Insertion Loss
- ❖ High Isolation
- ❖ High Power Handling

OUTLINE: $\frac{\text{mm}}{(\text{inch})}$



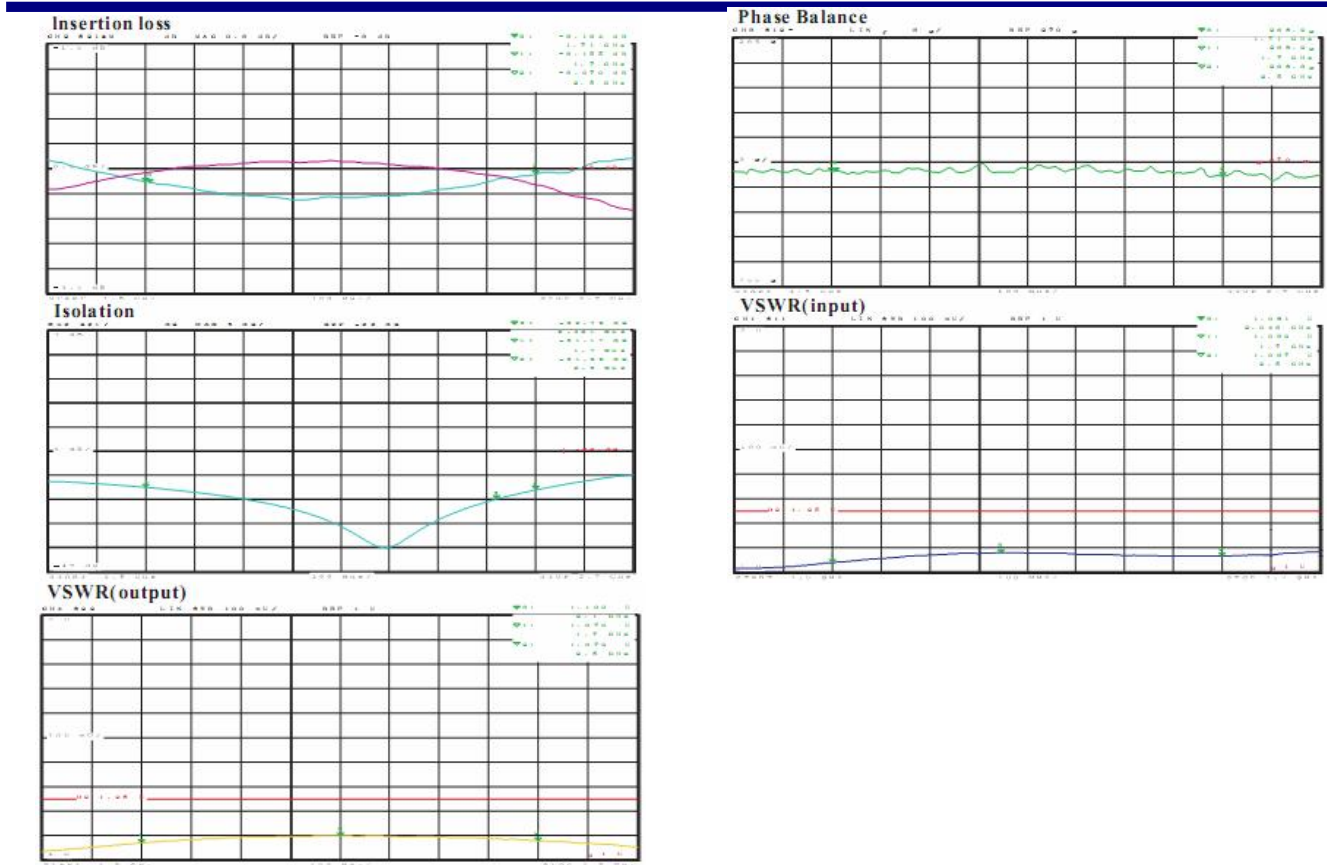
SPECIFICATIONS

Frequency Range	Insertion Loss	Isolation	VSWR	Amplitude Balance
1.7-2.5GHz	0.30dB	22dB	1.20	± 0.30 dB
Phase Balance	Connector	Power Handling	Working Temperature	Storage Temperature
$\pm 3^\circ$	N-F	120W	-20~+70°C	-40~+70°C

- Note1 It is specially designed for wireless communication can be used for BTS and repeaters of GSM,CDMA and WCDMA.
- Note2 It is Hermercs standard product and can be customized. .

TYPICAL PLOT

Stripline 90° Hybrid (N Type Connector)



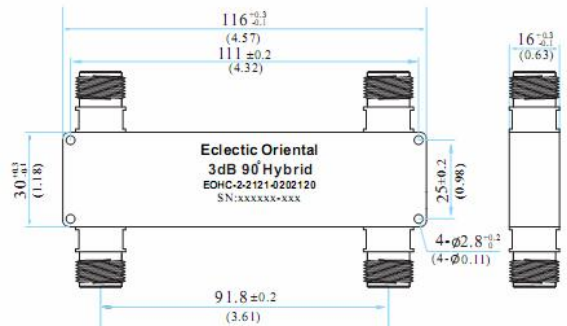
P/N: EOHHC-2-2121-0202120

FEATURES

- ❖ N-F Connector and Strip Line Structure on Circuit
- ❖ Low Insertion Loss
- ❖ High Isolation
- ❖ High Power Handling

SPECIFICATIONS

OUTLINE: mm (inch)



Frequency Range	Insertion Loss	Isolation	VSWR	Amplitude Balance
0.8-2.5GHz	0.30dB	22dB	1.25	±0.50dB
Phase Balance	Connector	Power Handling	Working Temperature	Storage Temperature
±4°	N-F	120W	-20~+70℃	-40~+70℃

Note1 It is specially designed for wireless communication can be used for BTS and repeaters of GSM,CDMA and WCDMA.

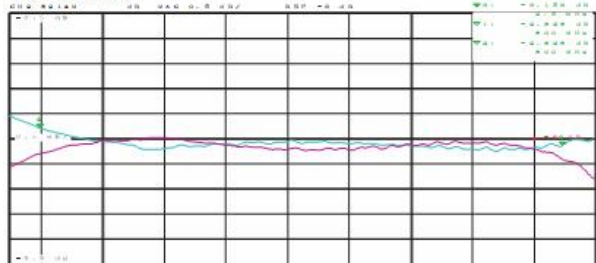
Stripline 90° Hybrid (N Type Connector)

HERMERCS

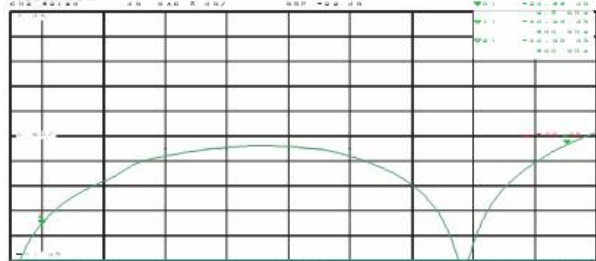
Note2 It is Hermercs standard product and can be customized. .

TYPICAL PLOT

Insertion loss



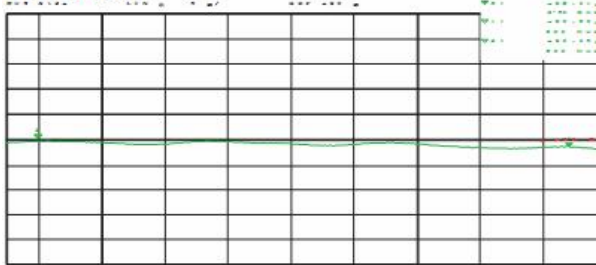
Isolation



VSWR(output)



Phase Balance



VSWR(input)



Cavity Type 90° Hybrid (N Type Connector)



P/N: EOHC-3-2121-0101200

FEATURES

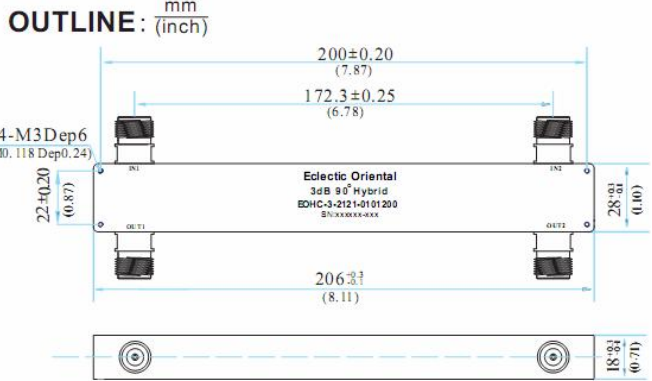
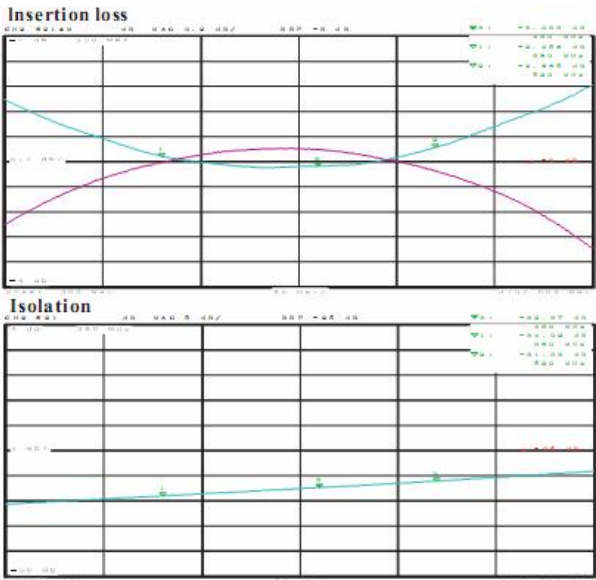
- ❖ N-F Connector and Slab Line Structure on Circuit
- ❖ Low Insertion Loss
- ❖ High Isolation
- ❖ High Power Handling

SPECIFICATIONS

Frequency Range	Insertion Loss	Isolation	VSWR	Amplitude Balance
0.38-0.52GHz	0.20dB	25dB	1.20	±0.30dB
Phase Balance	Connector	Power Handling (Avg/Peak)	Working Temperature	Storage Temperature
±3°	N-F	200W/3KW	-20~+70℃	-40~+70℃

- Note1 It is specially designed for wireless communication can be used for BTS and repeaters of GSM,CDMA and WCDMA.
- Note2 It is Hermercs standard product and can be customized. .

TYPICAL PLOT



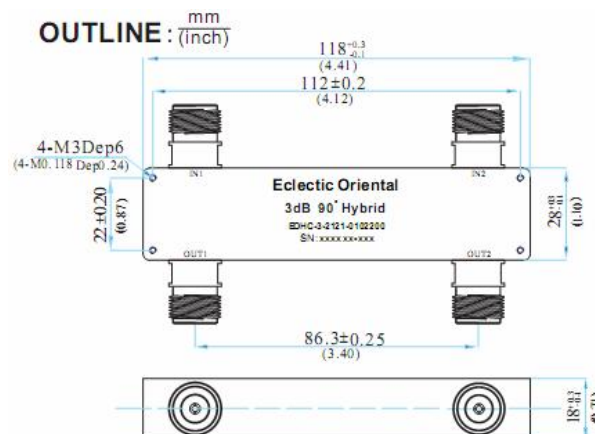
Cavity Type 90° Hybrid (N Type Connector)



P/N: EOHHC-3-2121-0102200

FEATURES

- ❖ N-F Connector and Slab Line Structure on Circuit
- ❖ Low Insertion Loss
- ❖ High Isolation
- ❖ High Power Handling



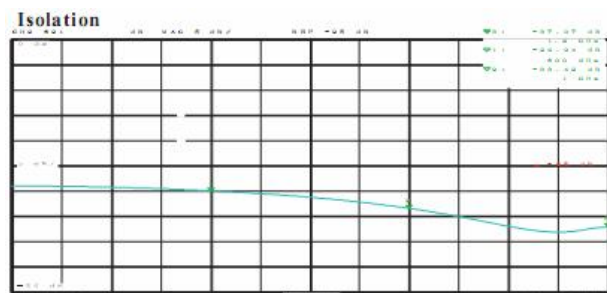
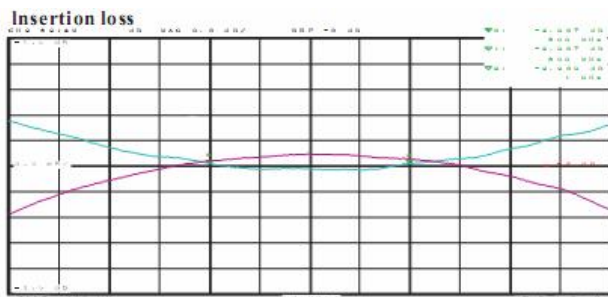
SPECIFICATIONS

Frequency Range	Insertion Loss	Isolation	VSWR	Amplitude Balance
0.8-1.0GHz	0.20dB	25dB	1.20	±0.30dB
Phase Balance	Connector	Power Handling (Avg/Peak)	Working Temperature	Storage Temperature
±3°	N-F	200W/3KW	-20~+70°C	-40~+70°C

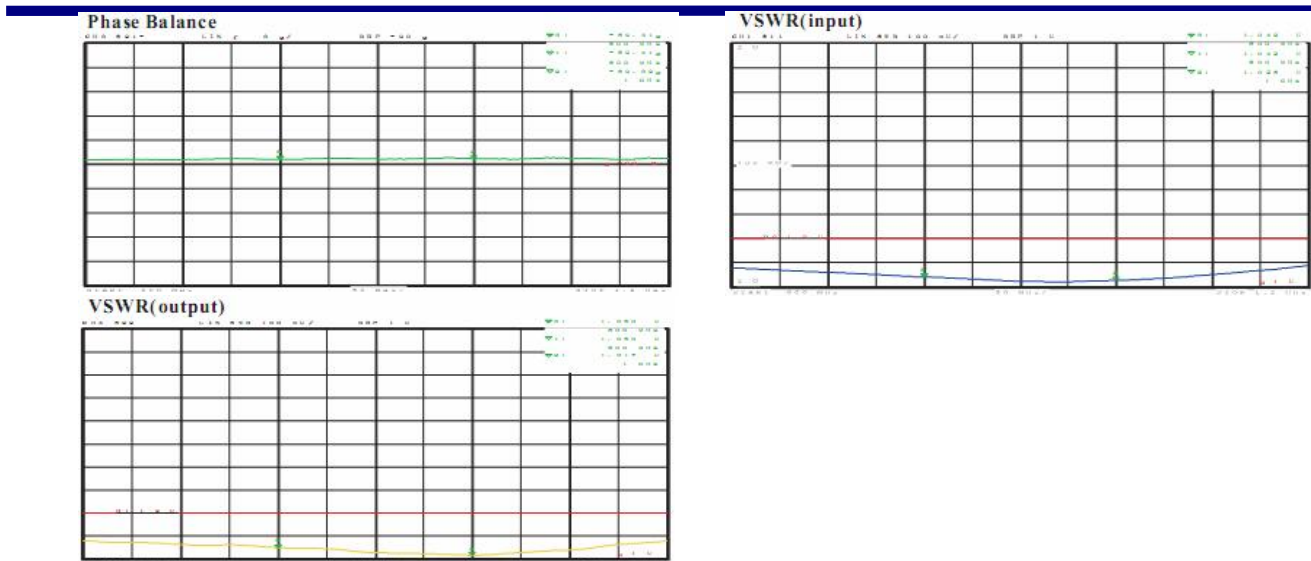
Note1 It is specially designed for wireless communication can be used for BTS and repeaters of GSM,CDMA and WCDMA.

Note2 It is Hermercs standard product and can be customized. .

TYPICAL PLOT



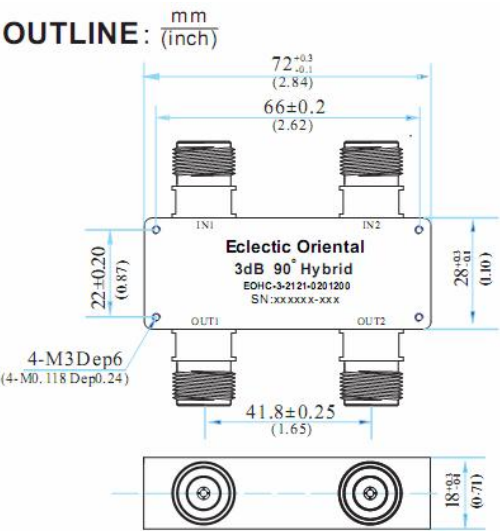
Cavity Type 90° Hybrid (N Type Connector)



P/N: EOHC-3-2121-0201200

FEATURES

- ❖ N-F Connector and Slab Line Structure on Circuit
- ❖ Low Insertion Loss
- ❖ High Isolation
- ❖ High Power Handling



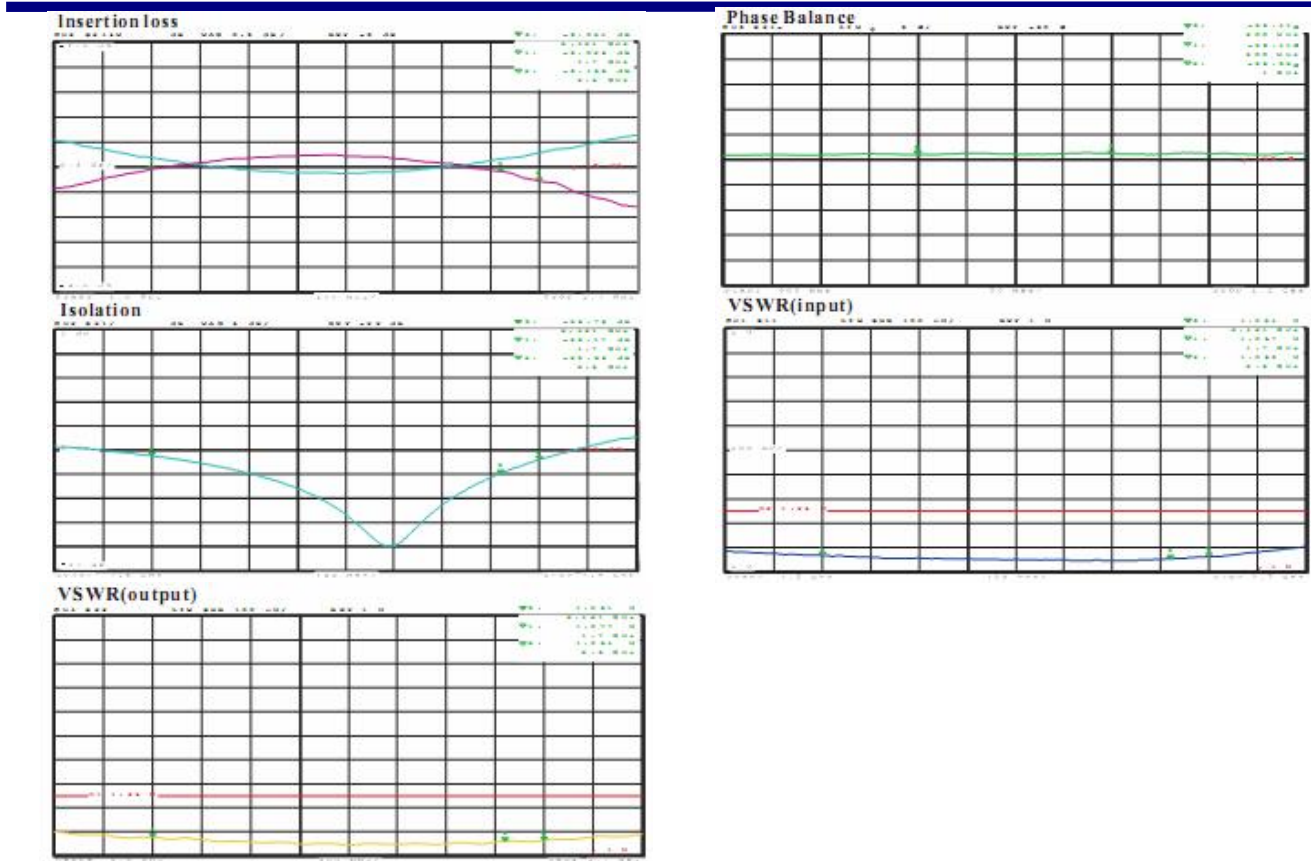
SPECIFICATIONS

Frequency Range	Insertion Loss	Isolation	VSWR	Amplitude Balance
1.7-2.5GHz	0.20dB	22dB	1.20	±0.30dB
Phase Balance	Connector	Power Handling (Avg/Peak)	Working Temperature	Storage Temperature
±3°	N-F	200W/3KW	-20~+70℃	-40~+70℃

- Note1 It is specially designed for wireless communication can be used for BTS and repeaters of GSM,CDMA and WCDMA.
- Note2 It is Hermercs standard product and can be customized. .

TYPICAL PLOT

Cavity Type 90° Hybrid (N Type Connector)



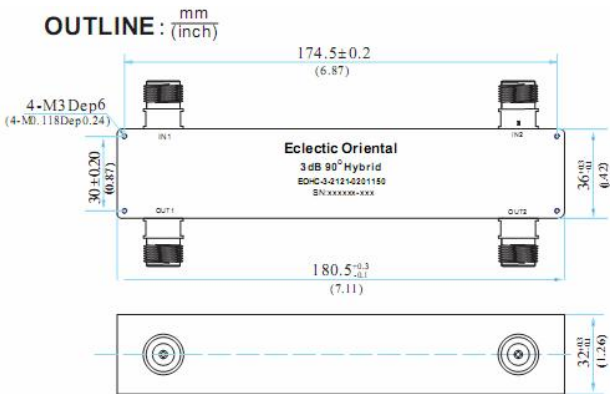
P/N: EOHHC-3-2121-02011500

FEATURES

- ❖ N-F Connector and Slab Line Structure on Circuit
- ❖ Low Insertion Loss
- ❖ High Isolation
- ❖ High Power Handling

SPECIFICATIONS

Frequency Range	Insertion Loss	Isolation	VSWR	Amplitude Balance
0.8-2.5GHz	0.20dB	22dB	1.20	±0.50dB
Phase Balance	Connector	Power Handling (Avg/Peak)	Working Temperature	Storage Temperature
±4°	N-F	150W/1.5KW	-20~+70°C	-40~+70°C

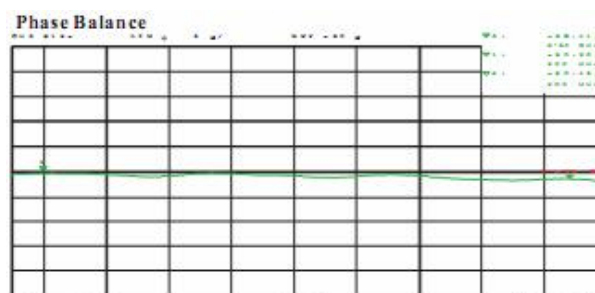
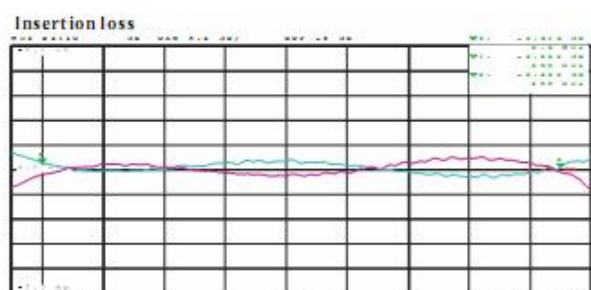


- Note1 It is specially designed for wireless communication can be used for BTS and repeaters of GSM,CDMA and WCDMA.
- Note2 It is Hermercs standard product and can be customized. .

Cavity Type 90° Hybrid (N Type Connector)

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TYPICAL PLOT



180° Hybrid and Combiner



P/N: EOHC-4-1111-110150

FEATURES

- ❖ Adopting Strip Line Structure
- ❖ Low Insertion Loss
- ❖ High Isolation
- ❖ High Power Handling
- ❖ Good Amplitude
- ❖ Phase Accuracy

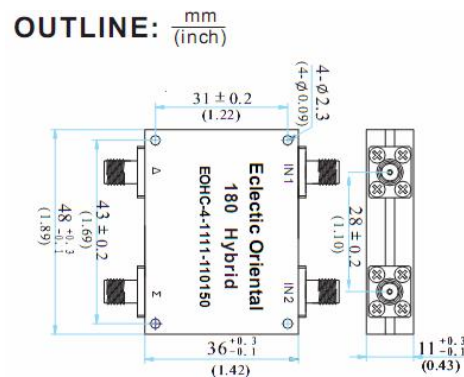
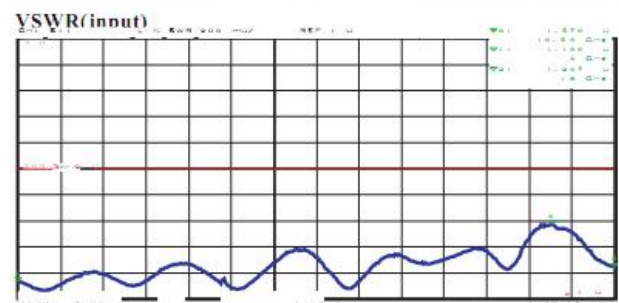
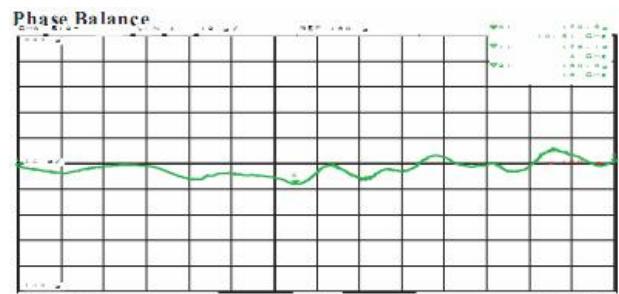
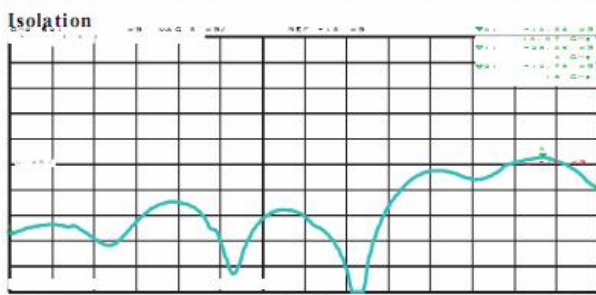
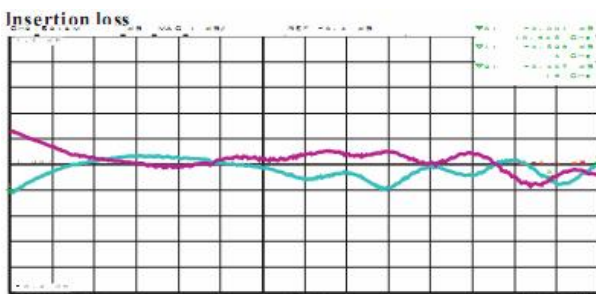
SPECIFICATIONS

Frequency Range	Insertion Loss	Isolation	VSWR	Amplitude Balance
4-18GHz	2.00dB	15dB	1.80	±1.0dB
Phase Balance	Connector	Power Handling	Working Temperature	Storage Temperature
±12°	SMA-F	50W	-55~+85℃	-55~+100℃

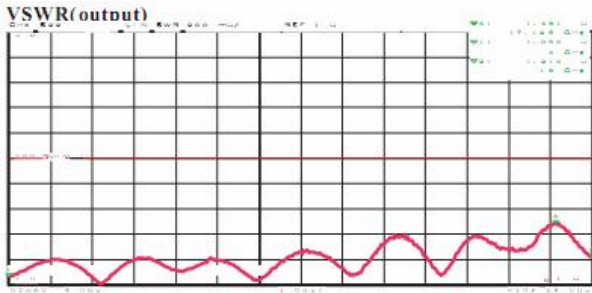
Note 1. It mainly is used for EW, radar fields, combining power, discovering and tracking signal, single pulse radar and antenna and feeder system.

Note 2. It can be customized according to customer's needs.

TYPICAL PLOT



180° Hybrid and Combiner



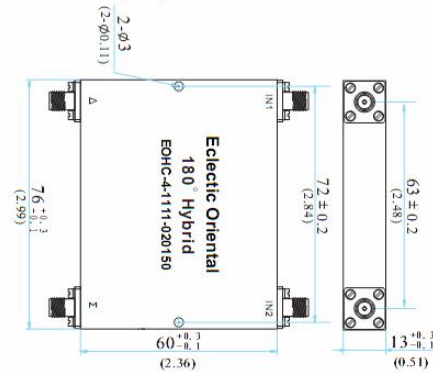
P/N: EOHC-4-1111-020150

FEATURES

- ❖ Adopting Strip Line Structure
- ❖ Low Insertion Loss
- ❖ High Isolation
- ❖ High Power Handling
- ❖ Good Amplitude
- ❖ Phase Accuracy

SPECIFICATIONS

OUTLINE: mm
(inch)

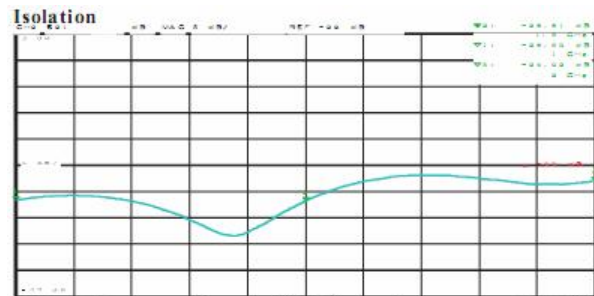
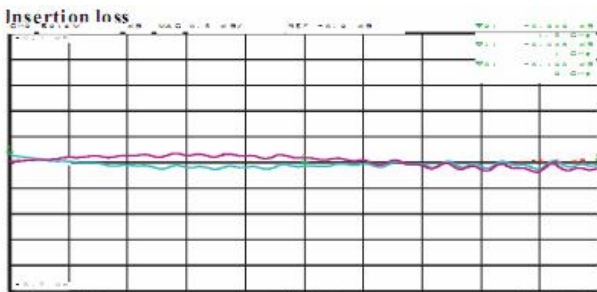


Frequency Range	Insertion Loss	Isolation	VSWR	Amplitude Balance
1-2GHz	0.60dB	22dB	1.40	±0.5dB
Phase Balance	Connector	Power Handling	Working Temperature	Storage Temperature
±10°	SMA-F	50W	-55~+85℃	-55~+100℃

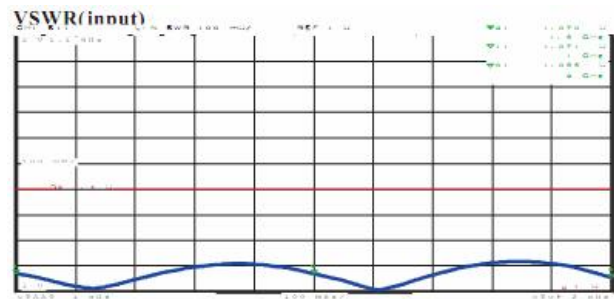
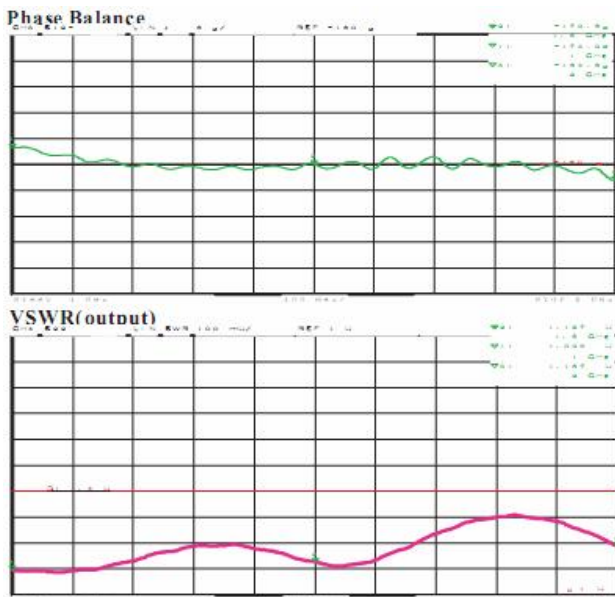
Note 1. It mainly is used for EW, radar fields, combining power, discovering and tracking signal, single pulse radar and antenna and feeder system.

Note 2. It can be customized according to customer's needs.

TYPICAL PLOT



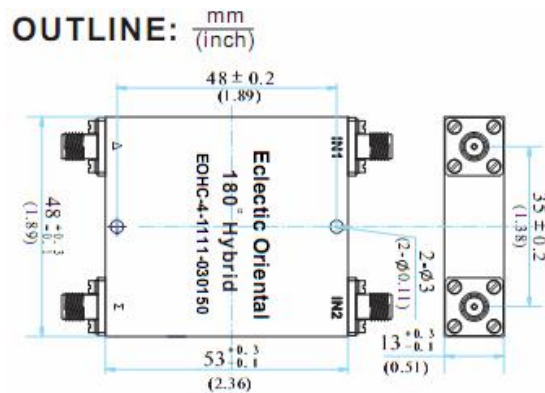
180° Hybrid and Combiner



P/N: EOHC-4-1111-030150

FEATURES

- ❖ Adopting Strip Line Structure
- ❖ Low Insertion Loss
- ❖ High Isolation
- ❖ High Power Handling
- ❖ Good Amplitude
- ❖ Phase Accuracy



SPECIFICATIONS

Frequency Range	Insertion Loss	Isolation	VSWR	Amplitude Balance
2-4GHz	0.60dB	20dB	1.60	±0.5dB
Phase Balance	Connector	Power Handling	Working Temperature	Storage Temperature
±10°	SMA-F	50W	-55~+85℃	-55~+100℃

Note 1. It mainly is used for EW, radar fields, combining power, discovering and tracking signal, single pulse radar and antenna and feeder system.

Note 2. It can be customized according to customer's needs.

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Fax: +86-25-85569295

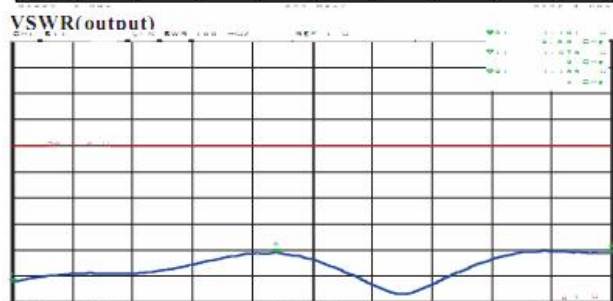
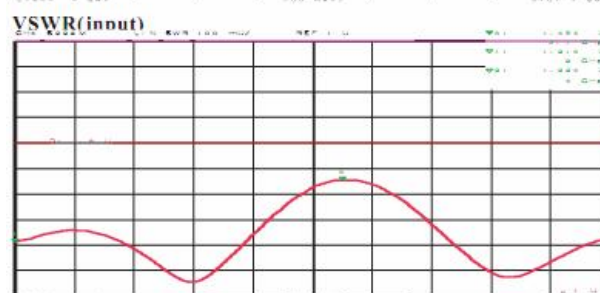
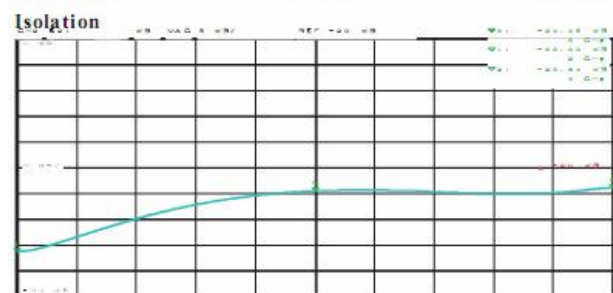
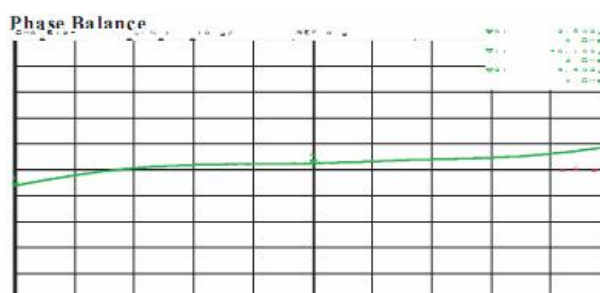
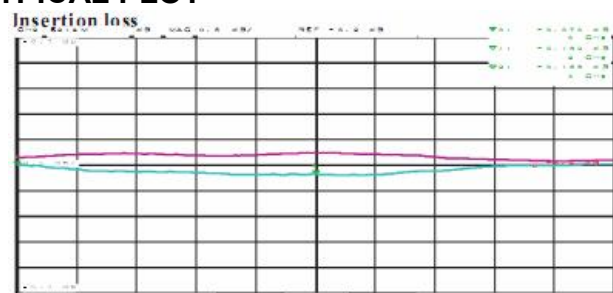
Web Site: www.hermers.com

E-mail: sales@hermers.com

180° Hybrid and Combiner

HERMERCS

TYPICAL PLOT

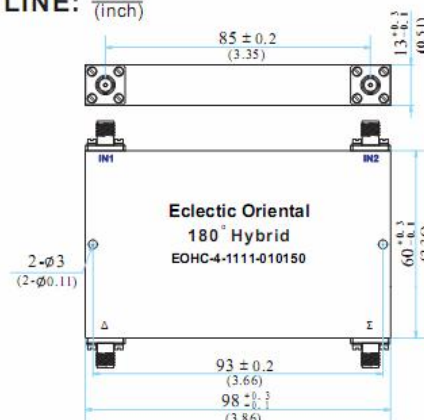


P/N: EOHC-4-1111-010150

FEATURES

- ❖ Adopting Strip Line Structure
- ❖ Low Insertion Loss
- ❖ High Isolation
- ❖ High Power Handling
- ❖ Good Amplitude
- ❖ Phase Accuracy

OUTLINE: $\frac{\text{mm}}{(\text{inch})}$



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Tel: 86-25-85490880

Fax: +86-25-85569295

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E-mail: sales@hermercs.com

180° Hybrid and Combiner



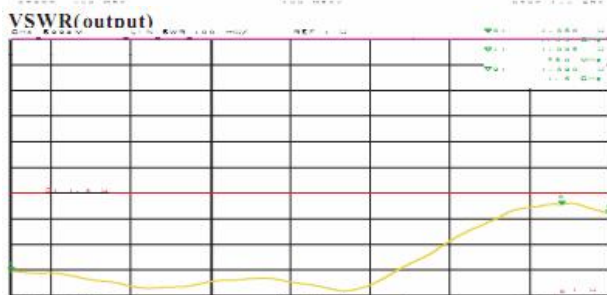
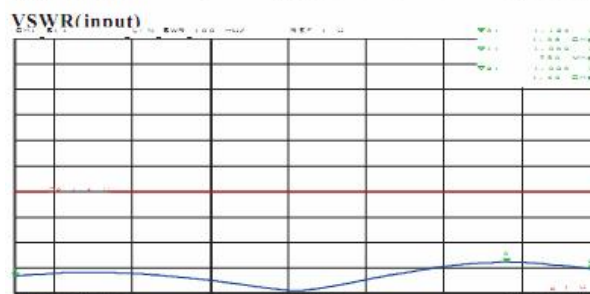
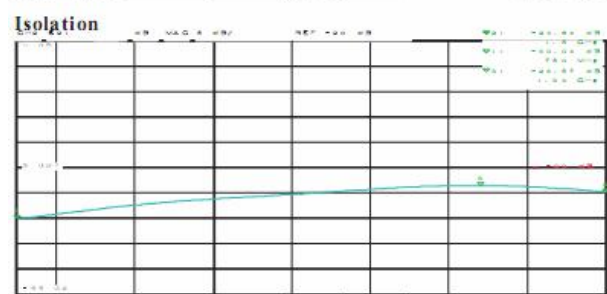
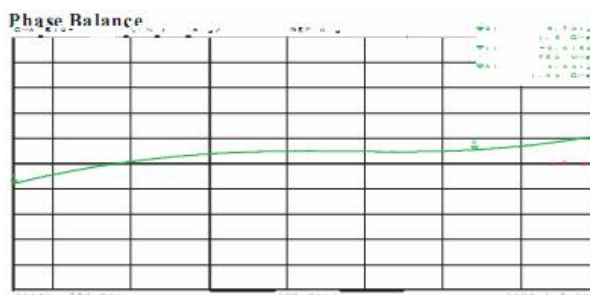
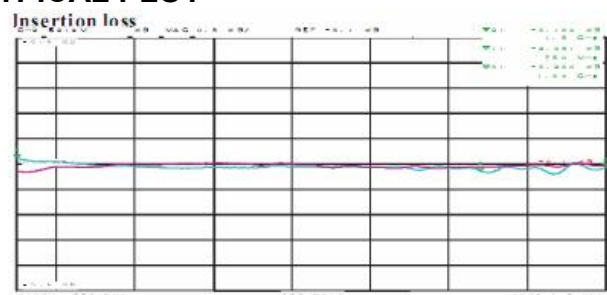
SPECIFICATIONS

Frequency Range	Insertion Loss	Isolation	VSWR	Amplitude Balance
0.75-1.5GHz	0.60dB	22dB	1.40	±0.5dB
Phase Balance	Connector	Power Handling	Working Temperature	Storage Temperature
±10°	SMA-F	50W	-55~+85℃	-55~+100℃

Note 1. It mainly is used for EW, radar fields, combining power, discovering and tracking signal, single pulse radar and antenna and feeder system.

Note 2. It can be customized according to customer's needs.

TYPICAL PLOT



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Fax: +86-25-85569295

Web Site: www.hermercs.com

E-mail: sales@hermercs.com

Mid Power Cross Feed Combiner

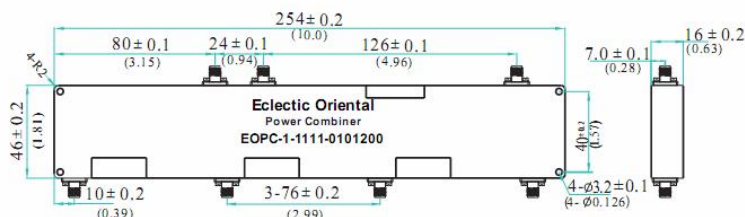


P/N: EOPC-1-1111-0101200

FEATURES

- ❖ SMA-Female Connector
- ❖ Stripe Line Structure For Circuit
- ❖ Low Insertion Loss
- ❖ High Isolation
- ❖ High Power Handling
- ❖ Inner Termination

OUTLINE: $\frac{\text{mm}}{(\text{inch})}$



SPECIFICATIONS

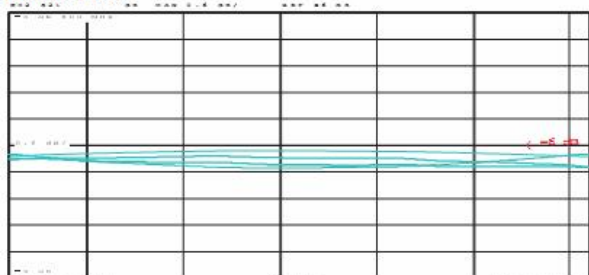
Frequency Range	Insertion Loss	Isolation	VSWR	Amplitude Balance
860-960MHz	0.5dB	22dB	1.30	±0.4dB
Phase Balance	Connector	Power Handling (Avg/Peak)	Working Temperature	Storage Temperature
6°	SMA-F	200W/2KW	-55~+85°C	-55~+100°C

Note 1. It mainly is used for mid power transmitter of radar and wireless communication.

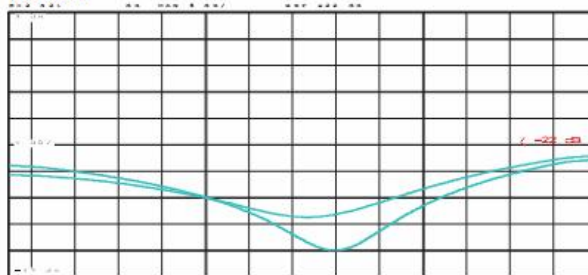
Note 2. This is Hermercs standard product and can be customized .

TYPICAL PLOT

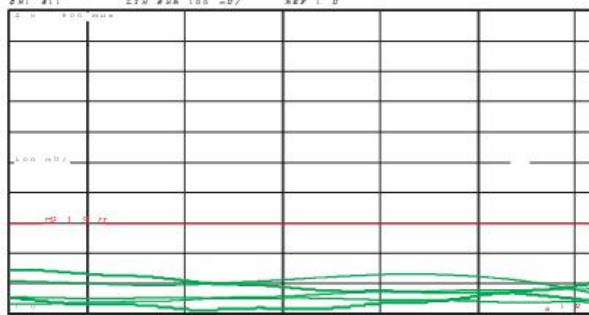
Insertion loss



Isolation



VSWR



Hermercs

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Fax: +86-25-85569295

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Mid Power Cross Feed Combiner

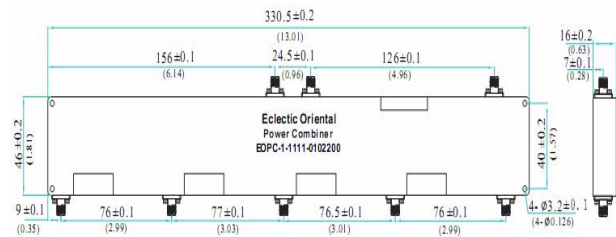


P/N: EOPC-1-1111-0102200

FEATURES

- ❖ SMA-Female Connector
- ❖ Stripe Line Structure For Circuit
- ❖ Low Insertion Loss
- ❖ High Isolation
- ❖ High Power Handling
- ❖ Inner Termination

OUTLINE: $\frac{\text{mm}}{(\text{inch})}$



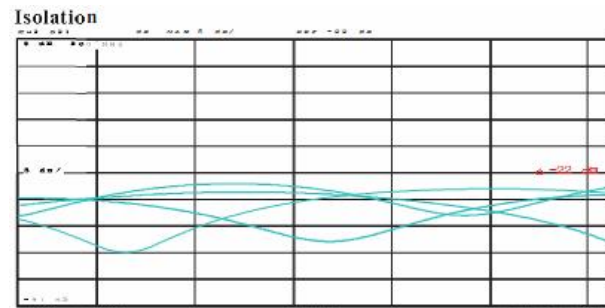
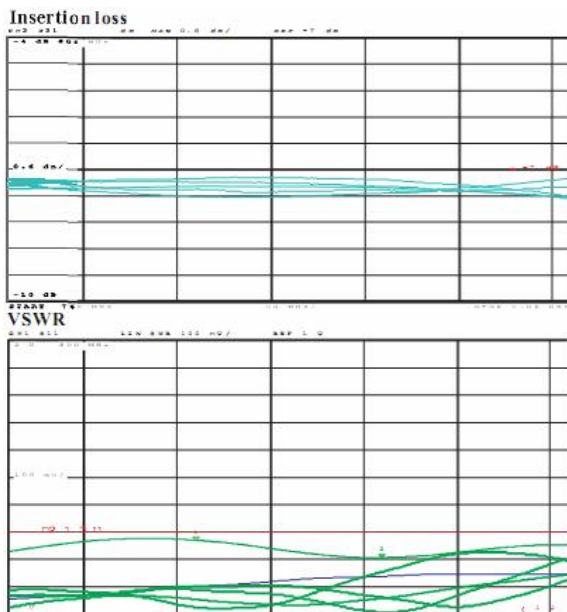
SPECIFICATIONS

Frequency Range	Insertion Loss	Isolation	VSWR	Amplitude Balance
860-960MHz	0.6dB	20dB	1.30	±0.4dB
Phase Balance	Connector	Power Handling (Avg/Peak)	Working Temperature	Storage Temperature
8°	SMA-F	200W/2.5KW	-55~+85°C	-55~+100°C

Note 1. It mainly is used for mid power transmitter of radar and wireless communication.

Note 2. This is Hermercs standard product and can be customized .

TYPICAL PLOT



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Mid Power Cross Feed Combiner

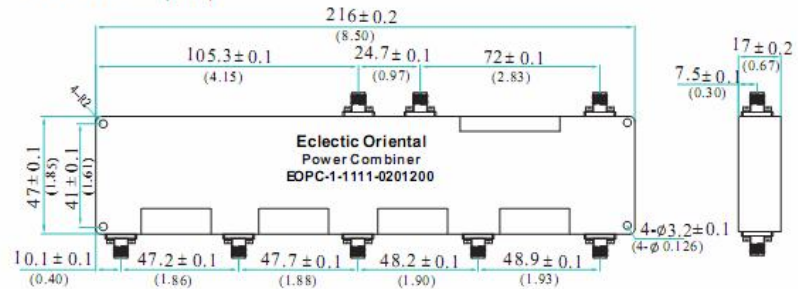


P/N: EOPC-1-1111-0201200

FEATURES

- ❖ SMA-Female Connector
- ❖ Stripe Line Structure For Circuit
- ❖ Low Insertion Loss
- ❖ High Isolation
- ❖ High Power Handling
- ❖ Inner Termination

OUTLINE: mm
(inch)



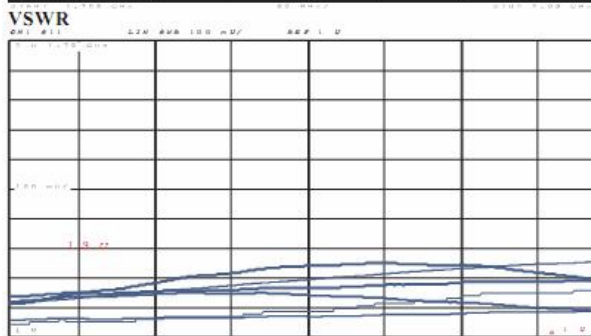
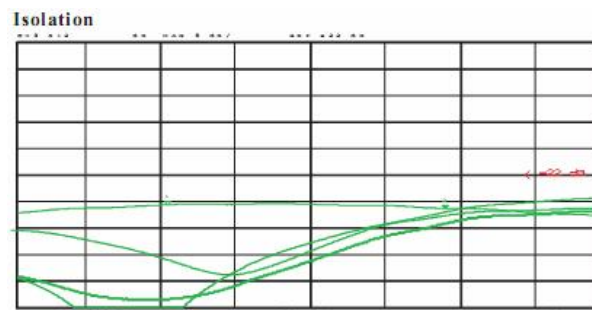
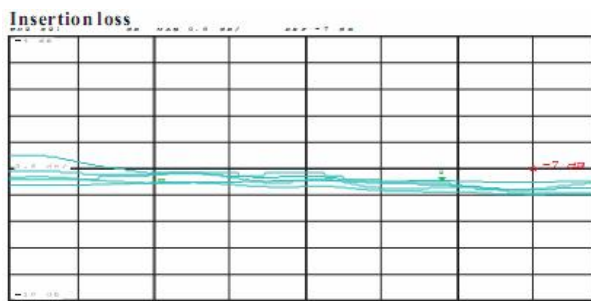
SPECIFICATIONS

Frequency Range	Insertion Loss	Isolation	VSWR	Amplitude Balance
1.8-1.98GHz	0.6dB	22dB	1.30	±0.4dB
Phase Balance	Connector	Power Handling (Avg/Peak)	Working Temperature	Storage Temperature
8°	SMA-F	200W/2.5KW	-55~+85℃	-55~+100℃

Note 1. It mainly is used for mid power transmitter of radar and wireless communication.

Note 2. This is Hermercs standard product and can be customized .

TYPICAL PLOT



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