

H-C

HERMERC'S



Measurement

**Directional
Coupler**

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

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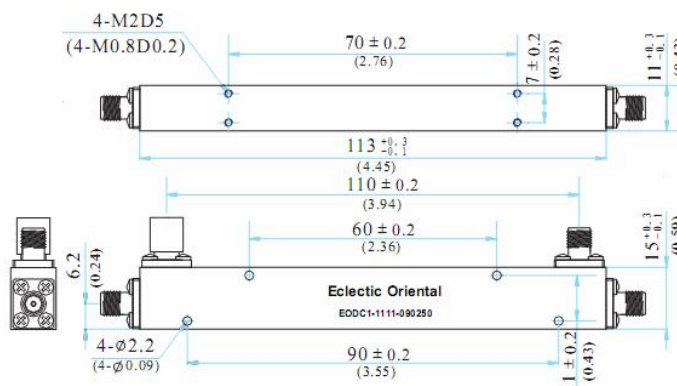
Directional Coupler	1
Directional Coupler For Communication	26

P/N: EODC1-1111-090250

FEATURES

- ❖ SMA connector
- ❖ Adopting Strip Line on Circuit
- ❖ Low Insertion Loss
- ❖ High Directivity
- ❖ High Power Handling
- ❖ Broadband
- ❖ Interior Located Termination

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



SPECIFICATIONS

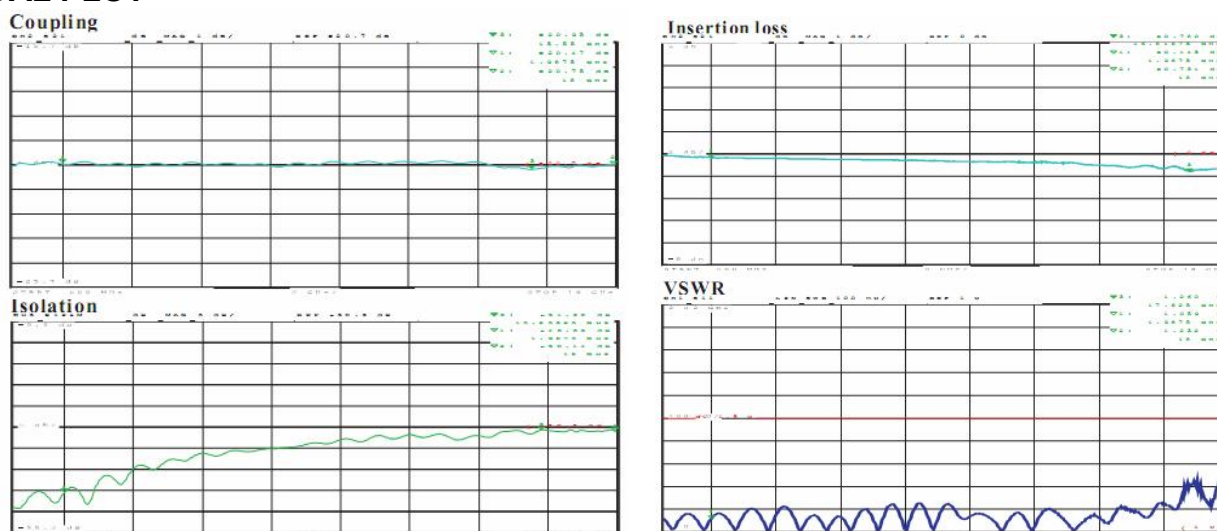
Frequency Range	Insertion Loss	Coupling	VSWR	Directivity
0.5-18GHz	1.6dB	20±1dB	1.6	10dB
Frequency Sensitivity	Connector	Power Handling	Working Temperature	Storage Temperature
±1.0dB	SMA-F	50W	-55~+85℃	-55~+100℃

Note 1. It mainly is used for EW, radar, communication, measuring and testing fields, sampling and monitoring signal and splitting and combining uneven power.

Note 2. There are diverse coupling at choice.

Note 3. This is Hermercs standard product and can be customized .

TYPICAL PLOT



P/N: EODC1-1111-100150

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FEATURES

- ❖ SMA connector
- ❖ Adopting Strip Line on Circuit
- ❖ Low Insertion Loss
- ❖ High Directivity
- ❖ High Power Handling
- ❖ Broadband
- ❖ Interior Located Termination

SPECIFICATIONS

Frequency Range	Insertion Loss	Coupling	VSWR	Directivity
1-18GHz	1.2dB	10±1dB	1.6	12dB
Frequency Sensitivity	Connector	Power Handling	Working Temperature	Storage Temperature
±1.0dB	SMA-F	50W	-55~+85℃	-55~+100℃

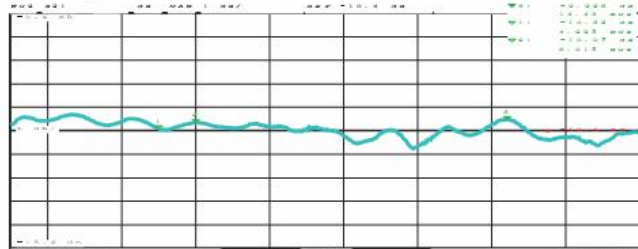
Note 1. It mainly is used for EW, radar, communication, measuring and testing fields, sampling and monitoring signal and splitting and combining uneven power.

Note 2. There are diverse coupling at choice.

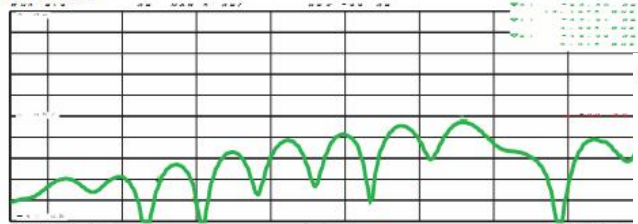
Note 3. This is Hermercs standard product and can be customized .

TYPICAL PLOT

Coupling



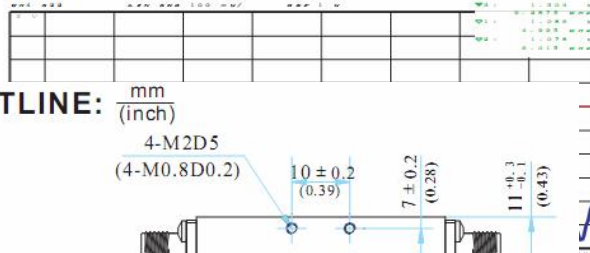
Isolation



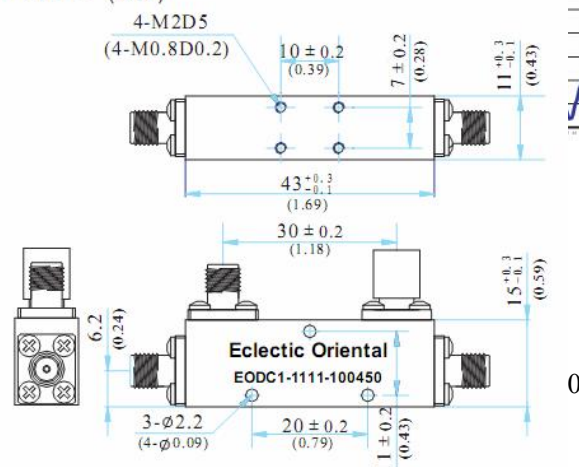
Insertion loss



VSWR



OUTLINE: mm (inch)



P/N: EODC1-1111-100450

FEATURES

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0046

Multi-Octave Band Directional Couplers

- ❖ SMA connector
- ❖ Adopting Strip Line on Circuit
- ❖ Low Insertion Loss
- ❖ High Directivity
- ❖ High Power Handling
- ❖ Broadband
- ❖ Interior Located Termination

SPECIFICATIONS

Frequency Range	Insertion Loss	Coupling	VSWR	Directivity
2-18GHz	0.7dB	10±1dB	1.5	12dB
Frequency Sensitivity	Connector	Power Handling	Working Temperature	Storage Temperature
±1.0dB	SMA-F	50W	-55~+85℃	-55~+100℃

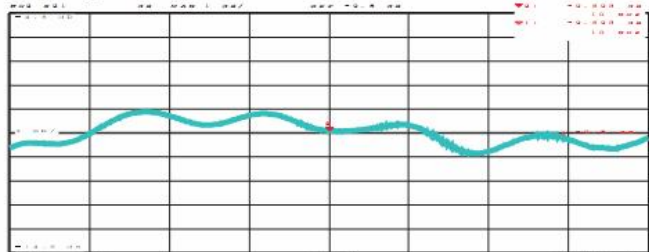
Note 1. It mainly is used for EW, radar, communication, measuring and testing fields, sampling and monitoring signal and splitting and combining uneven power.

Note 2. There are diverse coupling at choice.

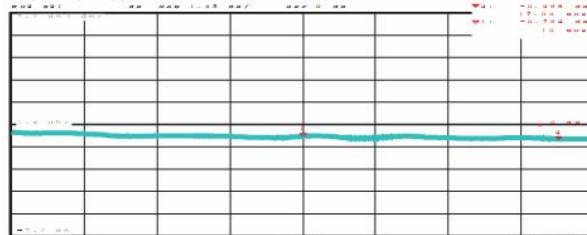
Note 3. This is Hermercs standard product and can be customized .

TYPICAL PLOT

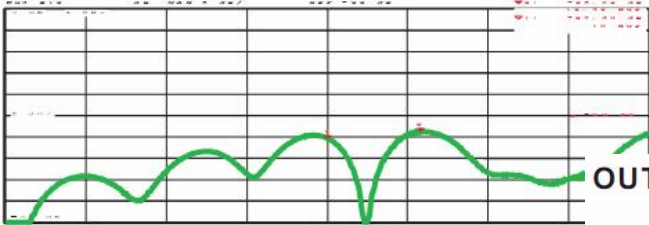
Coupling



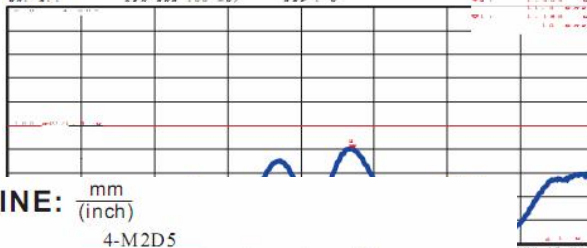
Insertion loss



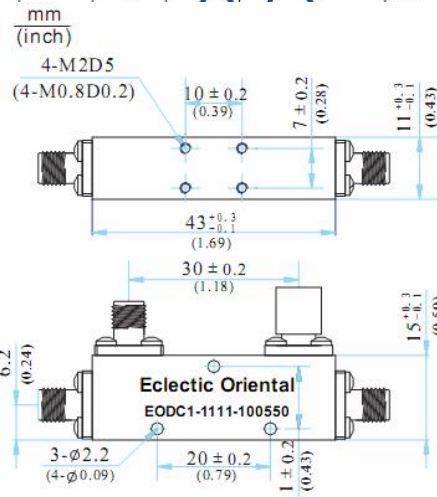
Isolation



VSWR



OUTLINE:



P/N: EODC1-1111-100550

FEATURES

- ❖ SMA connector

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Multi-Octave Band Directional Couplers

- ❖ Adopting Strip Line on Circuit
- ❖ Low Insertion Loss
- ❖ High Directivity
- ❖ High Power Handling
- ❖ Broadband
- ❖ Interior Located Termination

SPECIFICATIONS

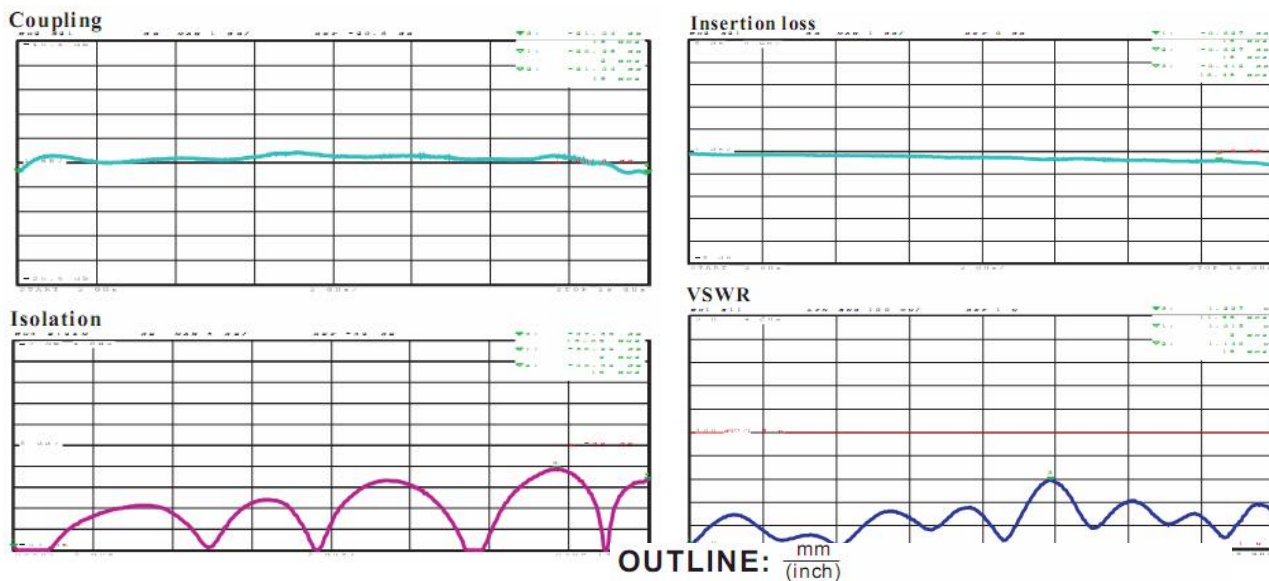
Frequency Range	Insertion Loss	Coupling	VSWR	Directivity
2-18GHz	0.7dB	20±1dB	1.5	12dB
Frequency Sensitivity	Connector	Power Handling	Working Temperature	Storage Temperature
±1.0dB	SMA-F	50W	-55~+85℃	-55~+100℃

Note 1. It mainly is used for EW, radar, communication, measuring and testing fields, sampling and monitoring signal and splitting and combining uneven power.

Note 2. There are diverse coupling at choice.

Note 3. This is Hermercs standard product and can be customized.

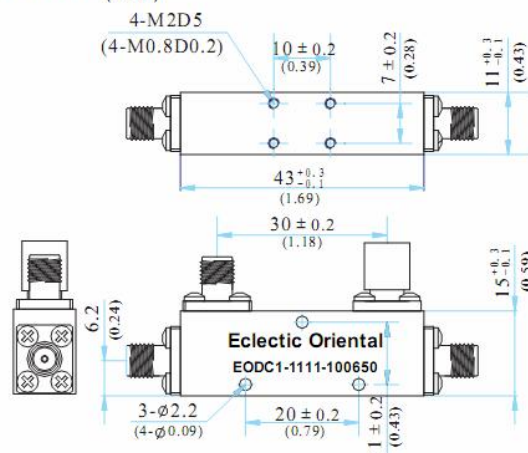
TYPICAL PLOT



P/N: EODC1-1111-100650

FEATURES

- ❖ SMA connector
- ❖ Adopting Strip Line on Circuit



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Multi-Octave Band Directional Couplers



- ❖ Low Insertion Loss
- ❖ High Directivity
- ❖ High Power Handling
- ❖ Broadband
- ❖ Interior Located Termination

SPECIFICATIONS

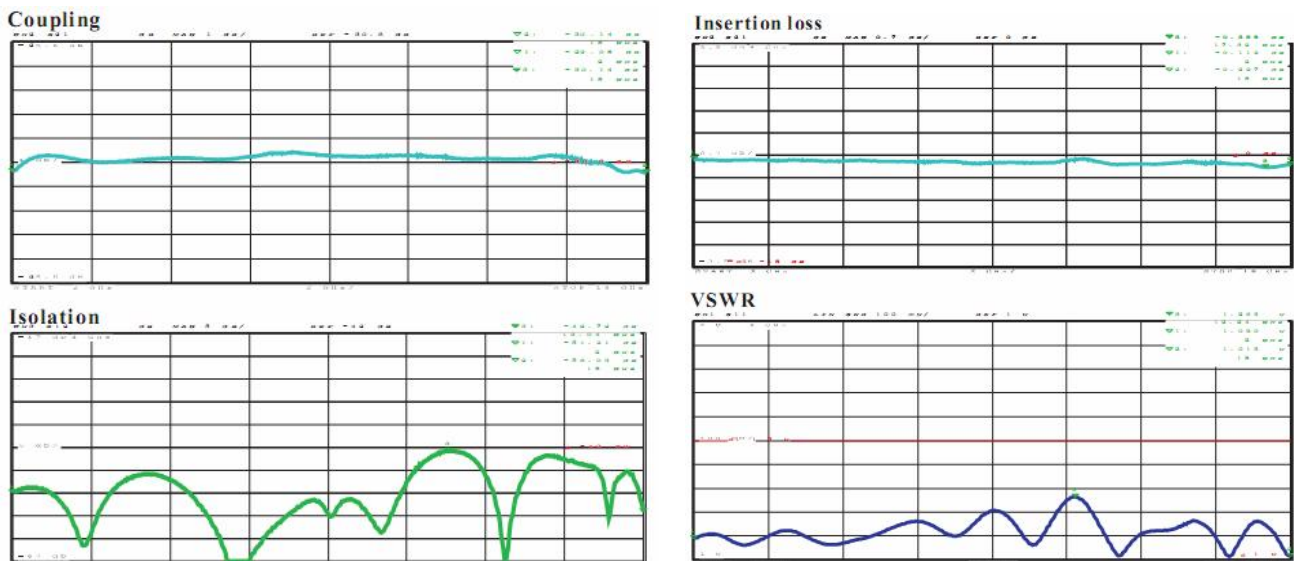
Frequency Range	Insertion Loss	Coupling	VSWR	Directivity
2-18GHz	0.7dB	30±1dB	1.5	12dB
Frequency Sensitivity	Connector	Power Handling	Working Temperature	Storage Temperature
±1.0dB	SMA-F	50W	-55~+85℃	-55~+100℃

Note 1. It mainly is used for EW, radar, communication, measuring and testing fields, sampling and monitoring signal and splitting and combining uneven power.

Note 2. There are diverse coupling at choice.

Note 3. This is Hermercs standard product and can be customized .

TYPICAL PLOT

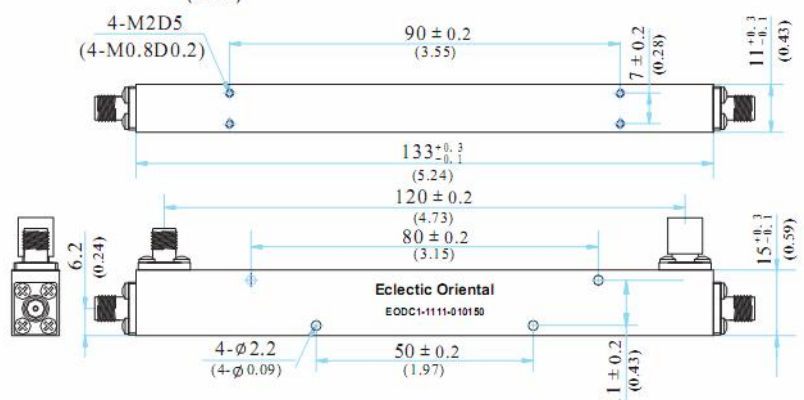


P/N: EODC1-1111-010150

FEATURES

- ❖ SMA connector
- ❖ Adopting Strip Line on Circuit
- ❖ Low Insertion Loss

OUTLINE: mm (inch)



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Multi-Octave Band Directional Couplers



- ❖ High Directivity
- ❖ High Power Handling
- ❖ Broadband
- ❖ Interior Located Termination

SPECIFICATIONS

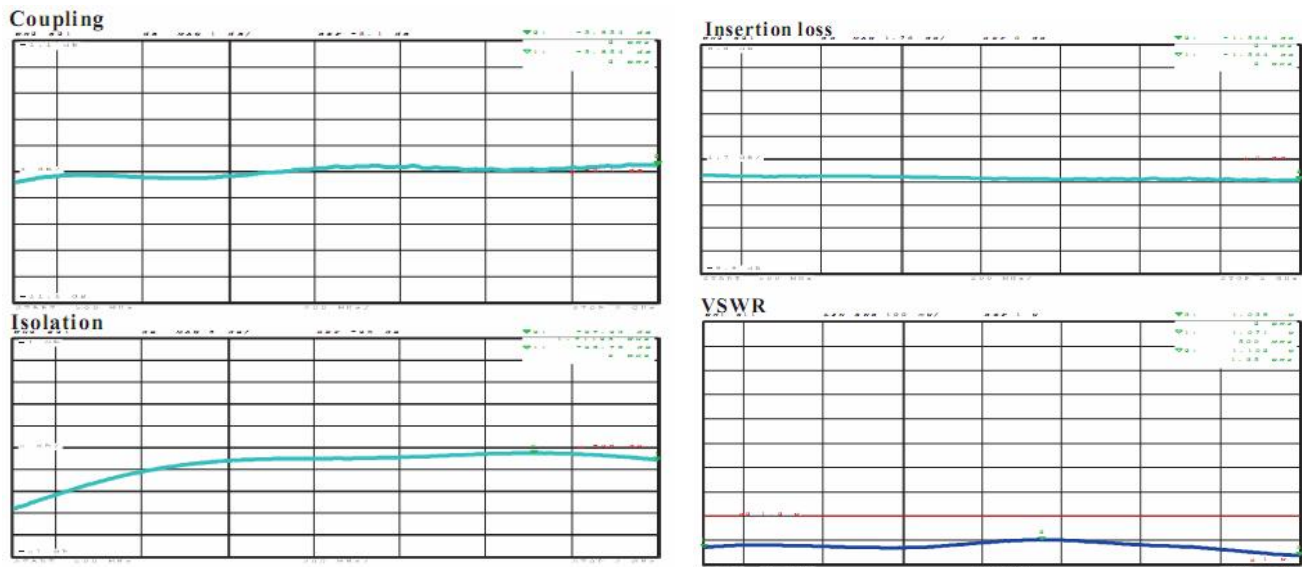
Frequency Range	Insertion Loss	Coupling	VSWR	Directivity
0.5-2GHz	0.5dB	6±1dB	1.2	20dB
Frequency Sensitivity	Connector	Power Handling	Working Temperature	Storage Temperature
±0.7dB	SMA-F	50W	-55~+85℃	-55~+100℃

Note 1. It mainly is used for EW, radar, communication, measuring and testing fields, sampling and monitoring signal and splitting and combining uneven power.

Note 2. There are diverse coupling at choice.

Note 3. This is Hermercs standard product and can be customized .

TYPICAL PLOT

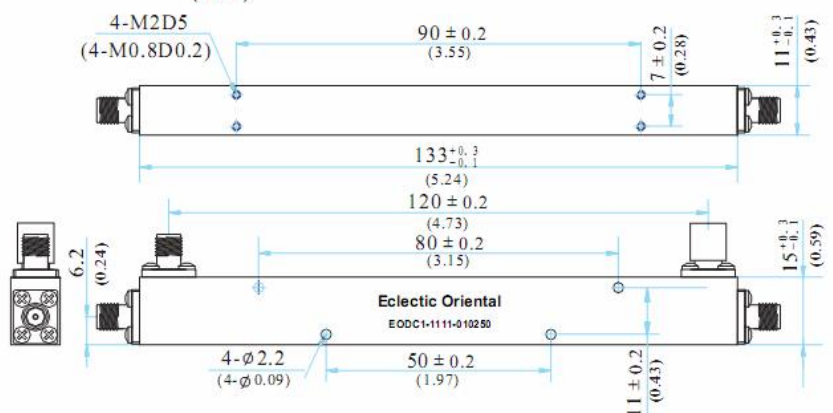


P/N: EODC1-1111-010250

FEATURES

- ❖ SMA connector
- ❖ Adopting Strip Line on Circuit
- ❖ Low Insertion Loss
- ❖ High Directivity

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



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Multi-Octave Band Directional Couplers

- ❖ High Power Handling
- ❖ Broadband
- ❖ Interior Located Termination

SPECIFICATIONS

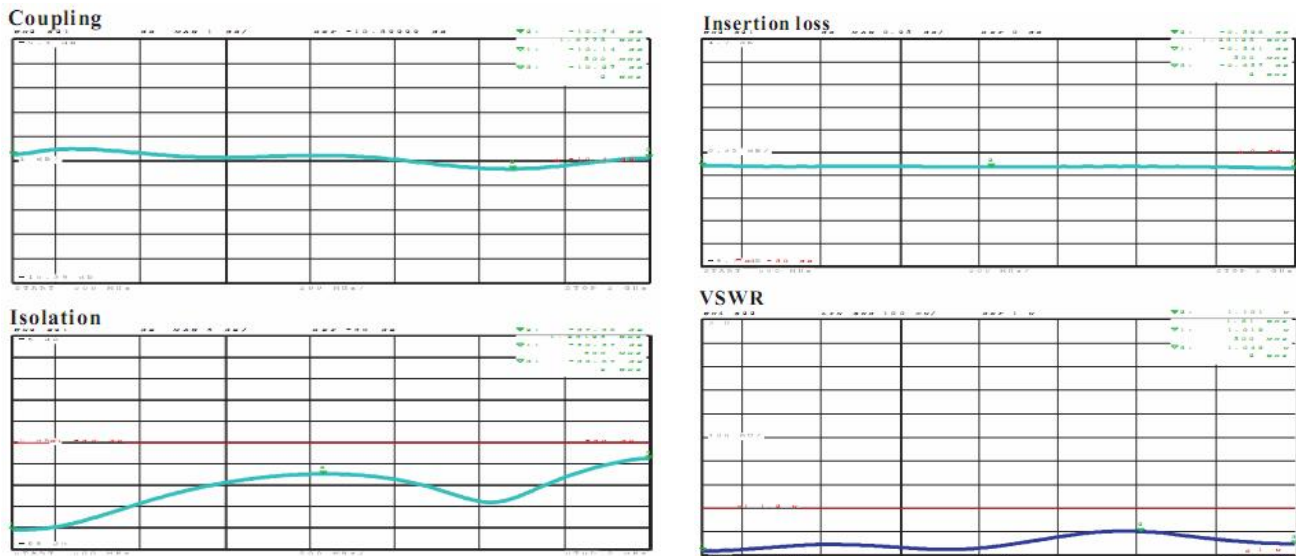
Frequency Range	Insertion Loss	Coupling	VSWR	Directivity
0.5-2GHz	0.5dB	10±1dB	1.2	20dB
Frequency Sensitivity	Connector	Power Handling	Working Temperature	Storage Temperature
±0.7dB	SMA-F	50W	-55~+85℃	-55~+100℃

Note 1. It mainly is used for EW, radar, communication, measuring and testing fields, sampling and monitoring signal and splitting and combining uneven power.

Note 2. There are diverse coupling at choice.

Note 3. This is Hermercs standard product and can be customized .

TYPICAL PLOT

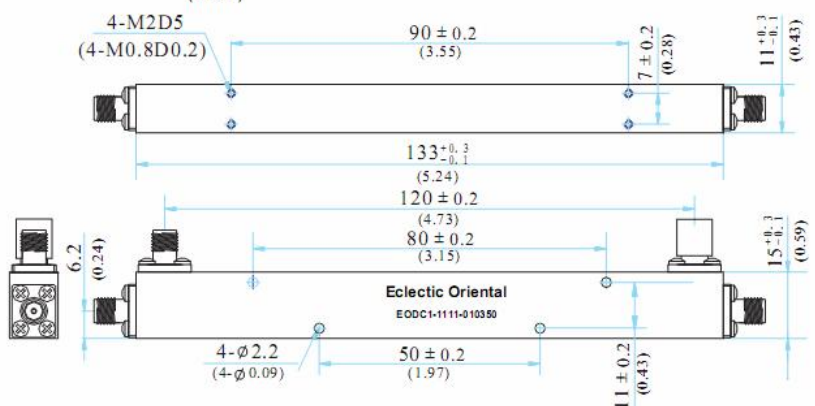


P/N: EODC1-1111-010350

FEATURES

- ❖ SMA connector
- ❖ Adopting Strip Line on Circuit
- ❖ Low Insertion Loss
- ❖ High Directivity
- ❖ High Power Handling

OUTLINE: mm (inch)



Multi-Octave Band Directional Couplers

- ❖ Broadband
- ❖ Interior Located Termination

SPECIFICATIONS

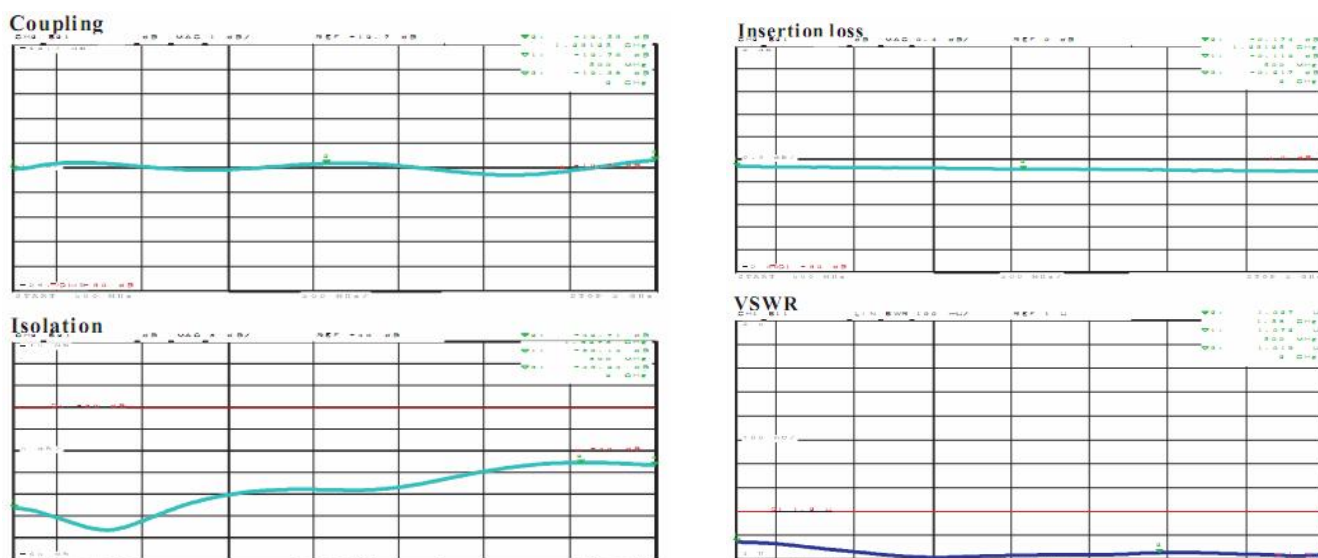
Frequency Range	Insertion Loss	Coupling	VSWR	Directivity
0.5-2GHz	0.4dB	20±1dB	1.2	20dB
Frequency Sensitivity	Connector	Power Handling	Working Temperature	Storage Temperature
±0.7dB	SMA-F	50W	-55~+85℃	-55~+100℃

Note 1. It mainly is used for EW, radar, communication, measuring and testing fields, sampling and monitoring signal and splitting and combining uneven power.

Note 2. There are diverse coupling at choice.

Note 3. This is Hermercs standard product and can be customized .

TYPICAL PLOT

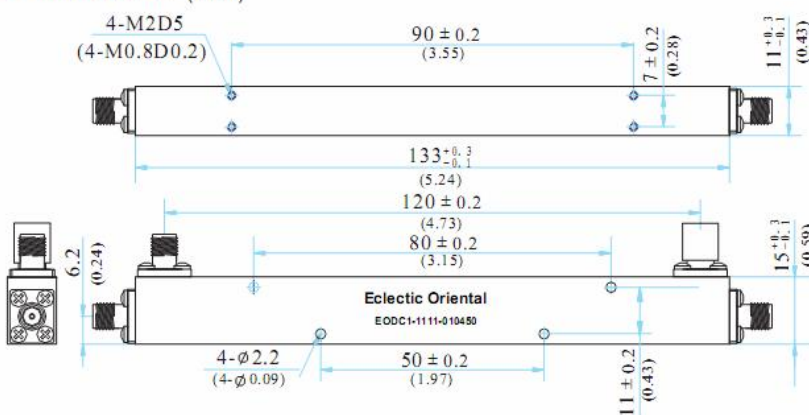


P/N: EODC1-1111-010450

FEATURES

- ❖ SMA connector
- ❖ Adopting Strip Line on Circuit
- ❖ Low Insertion Loss
- ❖ High Directivity
- ❖ High Power Handling
- ❖ Broadband

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



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Multi-Octave Band Directional Couplers

- ❖ Interior Located Termination

SPECIFICATIONS

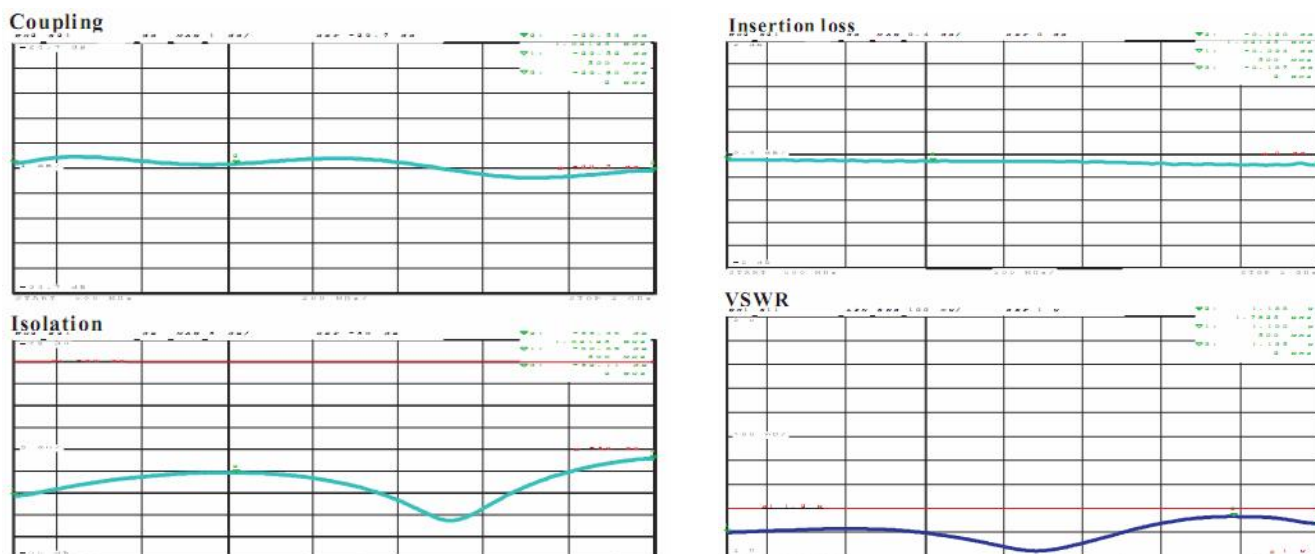
Frequency Range	Insertion Loss	Coupling	VSWR	Directivity
0.5-2GHz	0.4dB	30±1dB	1.2	20dB
Frequency Sensitivity	Connector	Power Handling	Working Temperature	Storage Temperature
±0.7dB	SMA-F	50W	-55~+85℃	-55~+100℃

Note 1. It mainly is used for EW, radar, communication, measuring and testing fields, sampling and monitoring signal and splitting and combining uneven power.

Note 2. There are diverse coupling at choice.

Note 3. This is Hermercs standard product and can be customized .

TYPICAL PLOT

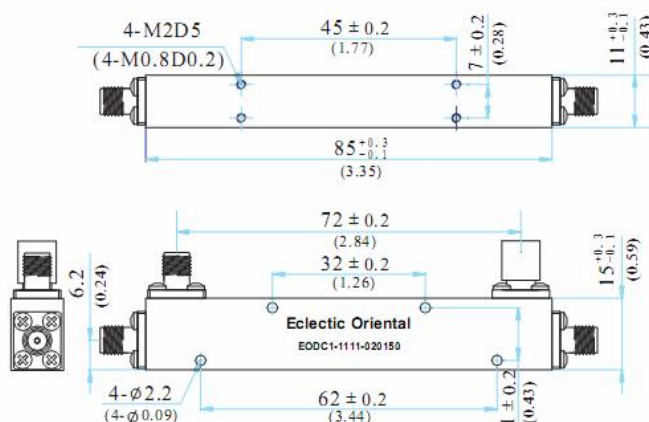


P/N: EODC1-1111-020150

FEATURES

- ❖ SMA connector
- ❖ Adopting Strip Line on Circuit
- ❖ Low Insertion Loss
- ❖ High Directivity
- ❖ High Power Handling
- ❖ Broadband
- ❖ Interior Located Termination

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



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SPECIFICATIONS

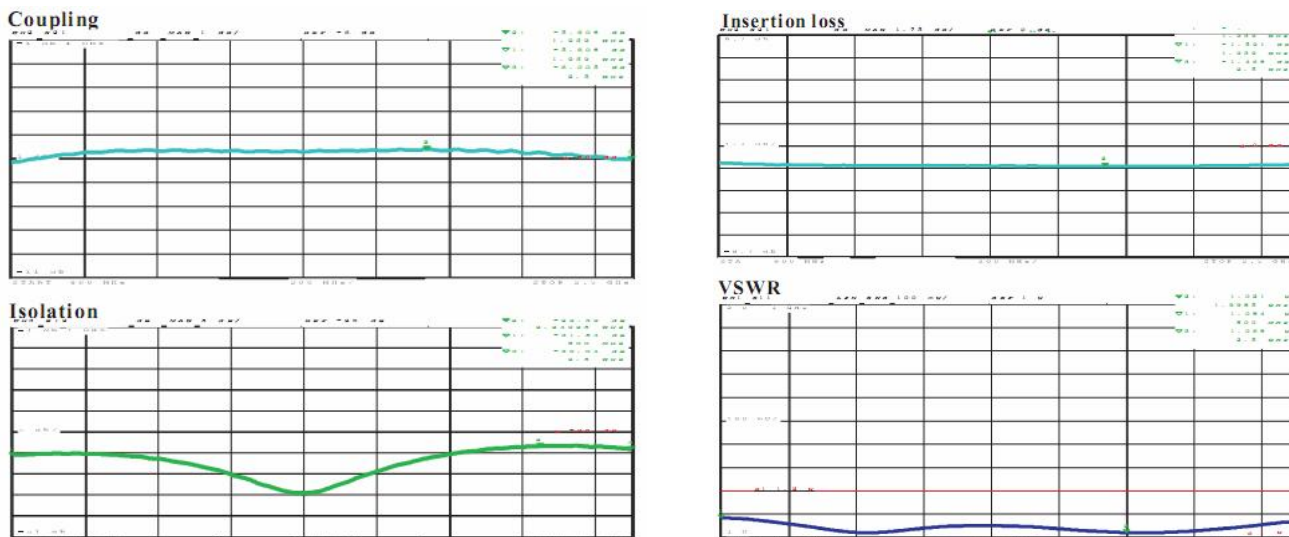
Frequency Range	Insertion Loss	Coupling	VSWR	Directivity
0.8-2.5GHz	0.5dB	6±1dB	1.2	20dB
Frequency Sensitivity	Connector	Power Handling	Working Temperature	Storage Temperature
±0.7dB	SMA-F	50W	-55~+85℃	-55~+100℃

Note 1. It mainly is used for EW, radar, communication, navigation, measuring and testing fields, sampling and monitoring signal and splitting and combining uneven power.

Note 2. There are diverse coupling at choice.

Note 3. This is Hermercs standard product and can be customized .

TYPICAL PLOT



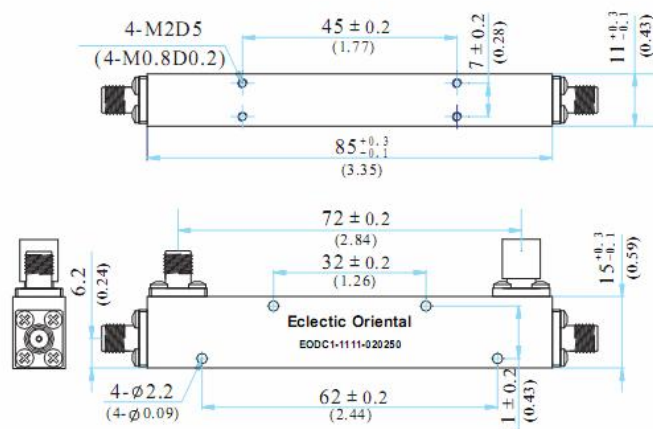
P/N: EODC1-1111-020250

FEATURES

- ❖ SMA connector
- ❖ Adopting Strip Line on Circuit
- ❖ Low Insertion Loss
- ❖ High Directivity
- ❖ High Power Handling
- ❖ Broadband
- ❖ Interior Located Termination

SPECIFICATIONS

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



Hermercs

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Multi-Octave Band Directional Couplers

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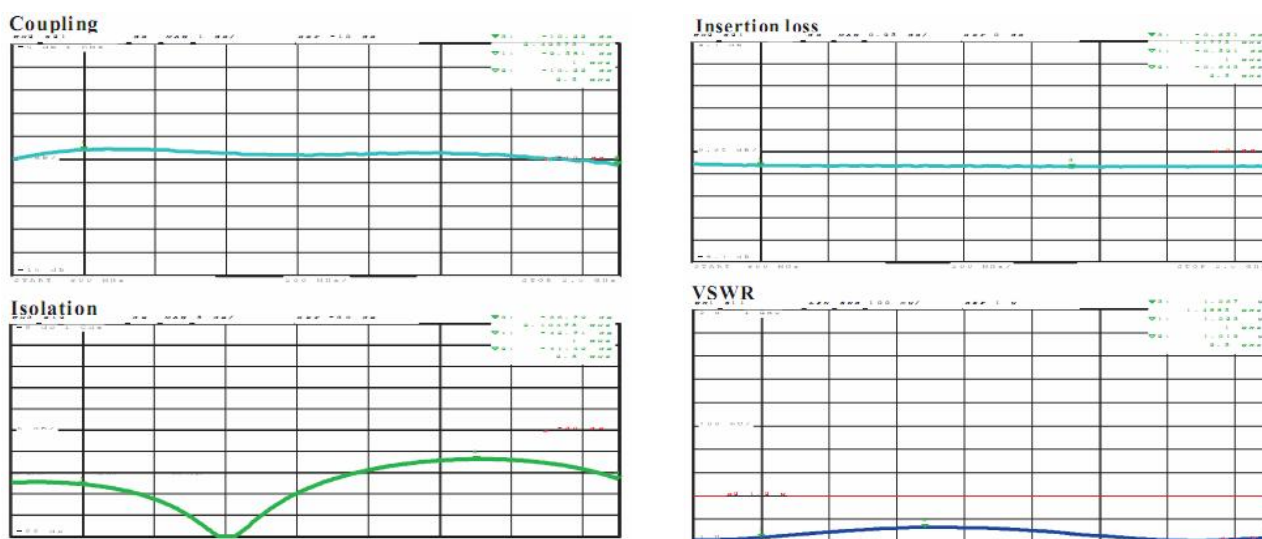
Frequency Range	Insertion Loss	Coupling	VSWR	Directivity
0.8-2.5GHz	0.5dB	10±1dB	1.2	20dB
Frequency Sensitivity	Connector	Power Handling	Working Temperature	Storage Temperature
±0.7dB	SMA-F	50W	-55~+85℃	-55~+100℃

Note 1. It mainly is used for EW, radar, communication, navigation, measuring and testing fields, sampling and monitoring signal and splitting and combining uneven power.

Note 2. There are diverse coupling at choice.

Note 3. This is Hermercs standard product and can be customized .

TYPICAL PLOT

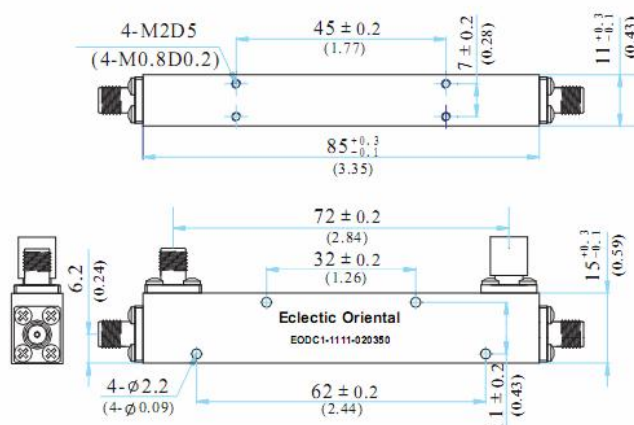


P/N: EODC1-1111-020350

FEATURES

- ❖ SMA connector
- ❖ Adopting Strip Line on Circuit
- ❖ Low Insertion Loss
- ❖ High Directivity
- ❖ High Power Handling
- ❖ Broadband
- ❖ Interior Located Termination

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



SPECIFICATIONS

Frequency Range	Insertion Loss	Coupling	VSWR	Directivity
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Hermercs

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Multi-Octave Band Directional Couplers

HERMERCs

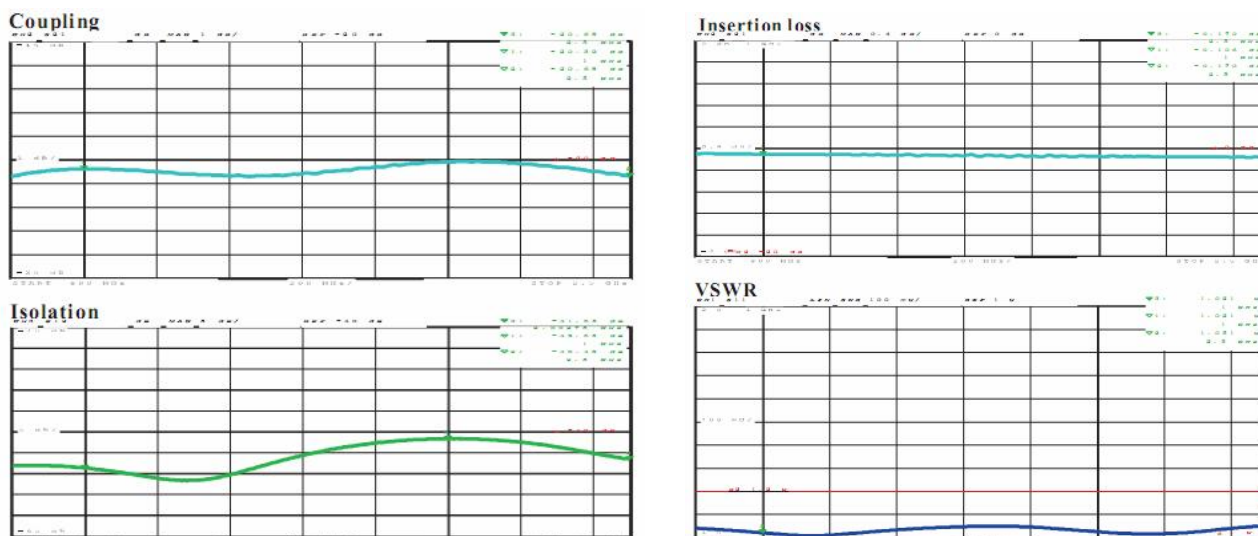
0.8-2.5GHz	0.4dB	20±1dB	1.2	20dB
Frequency Sensitivity	Connector	Power Handling	Working Temperature	Storage Temperature
±0.7dB	SMA-F	50W	-55~+85℃	-55~+100℃

Note 1. It mainly is used for EW, radar, communication, navigation, measuring and testing fields, sampling and monitoring signal and splitting and combining uneven power.

Note 2. There are diverse coupling at choice.

Note 3. This is Hermercs standard product and can be customized .

TYPICAL PLOT

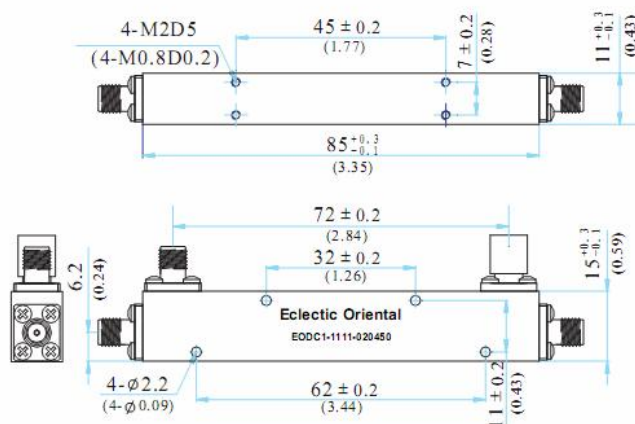


P/N: EODC1-1111-020450

FEATURES

- ❖ SMA connector
- ❖ Adopting Strip Line on Circuit
- ❖ Low Insertion Loss
- ❖ High Directivity
- ❖ High Power Handling
- ❖ Broadband
- ❖ Interior Located Termination

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



SPECIFICATIONS

Frequency Range	Insertion Loss	Coupling	VSWR	Directivity
0.8-2.5GHz	0.4dB	30±1dB	1.2	20dB

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Multi-Octave Band Directional Couplers

HERMERCs

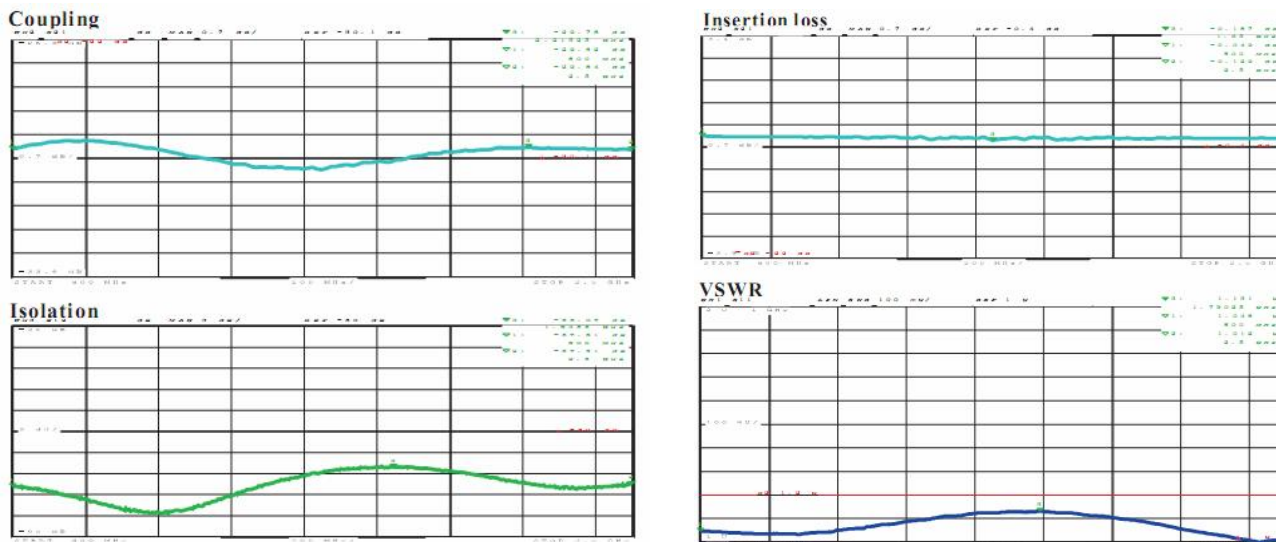
Frequency Sensitivity	Connector	Power Handling	Working Temperature	Storage Temperature
$\pm 0.7\text{dB}$	SMA-F	50W	$-55\sim+85^{\circ}\text{C}$	$-55\sim+100^{\circ}\text{C}$

Note 1. It mainly is used for EW, radar, communication, navigation, measuring and testing fields, sampling and monitoring signal and splitting and combining uneven power.

Note 2. There are diverse coupling at choice.

Note 3. This is Hermercs standard product and can be customized .

TYPICAL PLOT



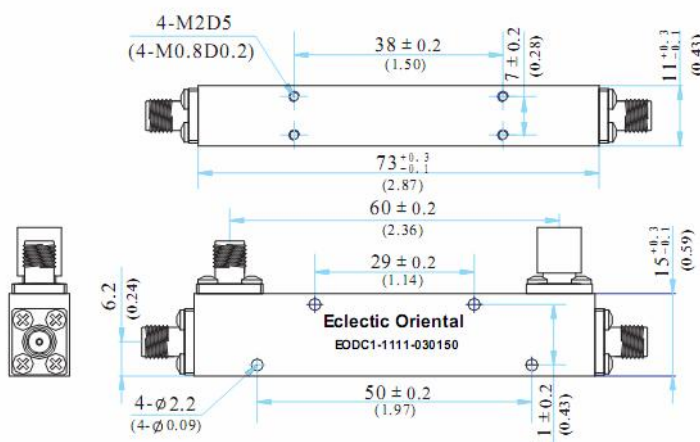
P/N: EODC1-1111-030150

FEATURES

- ❖ SMA connector
- ❖ Adopting Strip Line on Circuit
- ❖ Low Insertion Loss
- ❖ High Directivity
- ❖ High Power Handling
- ❖ Broadband
- ❖ Interior Located Termination

SPECIFICATIONS

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



Frequency Range	Insertion Loss	Coupling	VSWR	Directivity
1-4GHz	0.5dB	6 \pm 1dB	1.2	20dB
Frequency Sensitivity	Connector	Power Handling	Working Temperature	Storage Temperature

Hermercs

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Multi-Octave Band Directional Couplers

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$\pm 0.7\text{dB}$

SMA-F

50W

$-55\sim+85^{\circ}\text{C}$

$-55\sim+100^{\circ}\text{C}$

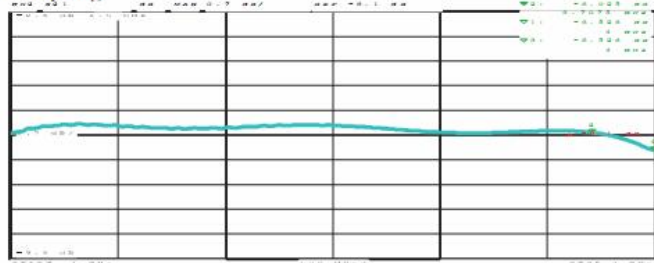
Note 1. It mainly is used for radar,communication,satellite communication,navigation,measuring and testing fields,sampling and monitoring signal and splitting and combining uneven power.

Note 2. There are diverse coupling at choice.

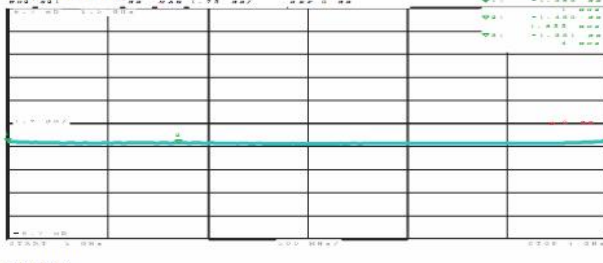
Note 3. This is Hermercs standard product and can be customized .

TYPICAL PLOT

Coupling



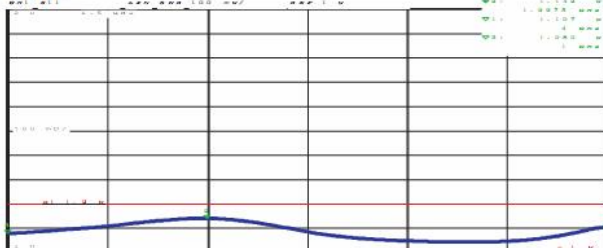
Insertion loss



Isolation



VSWR

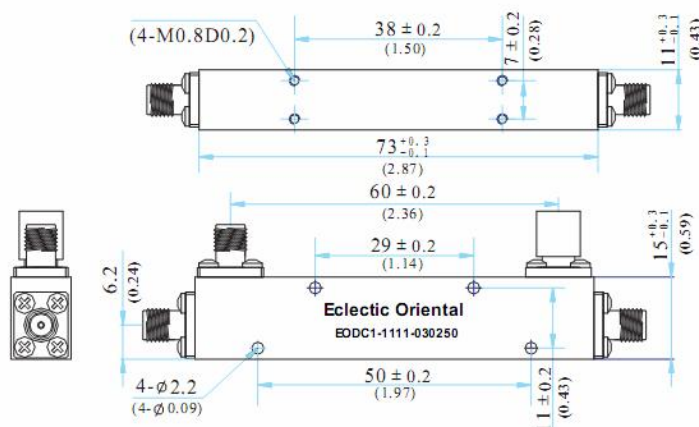


P/N: EODC1-1111-030250

FEATURES

- ❖ SMA connector
- ❖ Adopting Strip Line on Circuit
- ❖ Low Insertion Loss
- ❖ High Directivity
- ❖ High Power Handling
- ❖ Broadband
- ❖ Interior Located Termination

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



SPECIFICATIONS

Frequency Range	Insertion Loss	Coupling	VSWR	Directivity
1-4GHz	0.5dB	10±1dB	1.2	20dB
Frequency Sensitivity	Connector	Power Handling	Working Temperature	Storage Temperature
$\pm 0.7\text{dB}$	SMA-F	50W	$-55\sim+85^{\circ}\text{C}$	$-55\sim+100^{\circ}\text{C}$

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Web Site: www.hermercs.com

E-mail: sales@hermercs.com

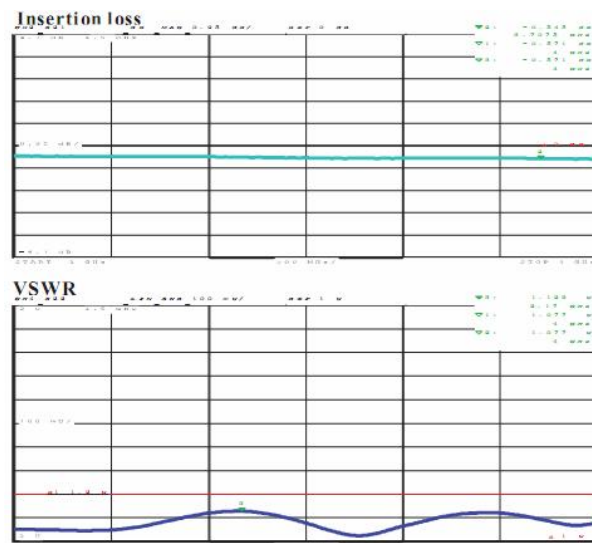
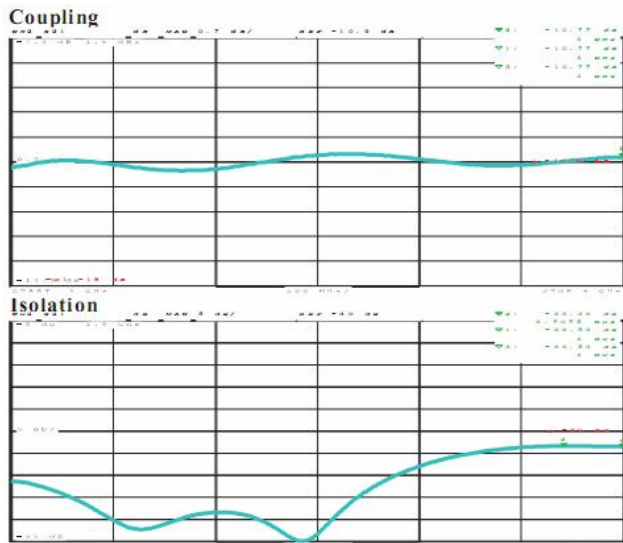
Multi-Octave Band Directional Couplers

Note 1. It mainly is used for radar,communication,satellite communication,navigation,measuring and testing fields,sampling and monitoring signal and splitting and combining uneven power.

Note 2. There are diverse coupling at choice.

Note 3. This is Hermercs standard product and can be customized .

TYPICAL PLOT

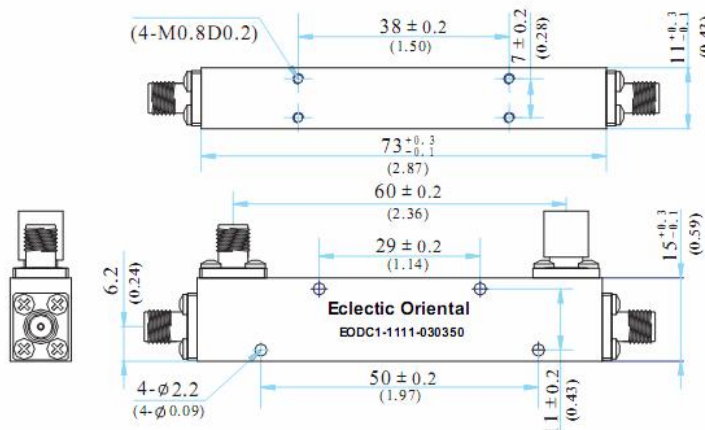


P/N: EODC1-1111-030350

FEATURES

- ❖ SMA connector
- ❖ Adopting Strip Line on Circuit
- ❖ Low Insertion Loss
- ❖ High Directivity
- ❖ High Power Handling
- ❖ Broadband
- ❖ Interior Located Termination

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



SPECIFICATIONS

Frequency Range	Insertion Loss	Coupling	VSWR	Directivity
1-4GHz	0.4dB	20±1dB	1.2	20dB
Frequency Sensitivity	Connector	Power Handling	Working Temperature	Storage Temperature
±0.7dB	SMA-F	50W	-55~+85℃	-55~+100℃

Note 1. It mainly is used for radar,communication,satellite communication,navigation,measuring and testing fields,sampling and monitoring signal and splitting and combining uneven power.

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Web Site: www.hermercs.com

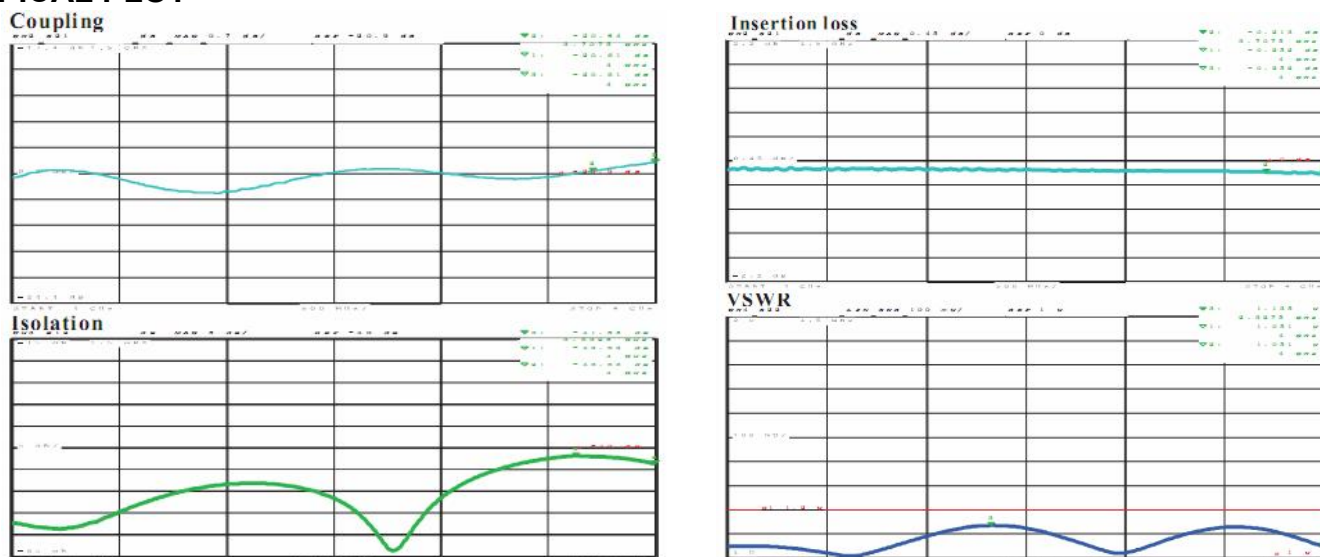
E-mail: sales@hermercs.com

Multi-Octave Band Directional Couplers

Note 2. There are diverse coupling at choice.

Note 3. This is Hermercs standard product and can be customized .

TYPICAL PLOT

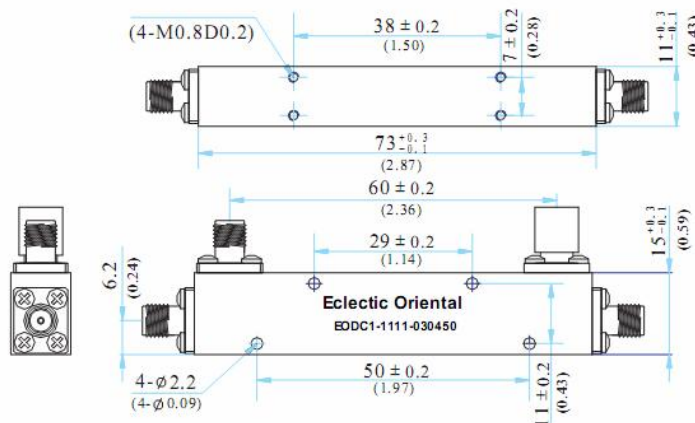


P/N: EODC1-1111-030450

FEATURES

- ❖ SMA connector
- ❖ Adopting Strip Line on Circuit
- ❖ Low Insertion Loss
- ❖ High Directivity
- ❖ High Power Handling
- ❖ Broadband
- ❖ Interior Located Termination

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



SPECIFICATIONS

Frequency Range	Insertion Loss	Coupling	VSWR	Directivity
1-4GHz	0.4dB	30±1dB	1.2	20dB
Frequency Sensitivity	Connector	Power Handling	Working Temperature	Storage Temperature
±0.7dB	SMA-F	50W	-55~+85℃	-55~+100℃

Note 1. It mainly is used for radar,communication,satellite communication,navigation,measuring and testing fields,sampling and monitoring signal and splitting and combining uneven power.

Note 2. There are diverse coupling at choice.

Note 3. This is Hermercs standard product and can be customized .

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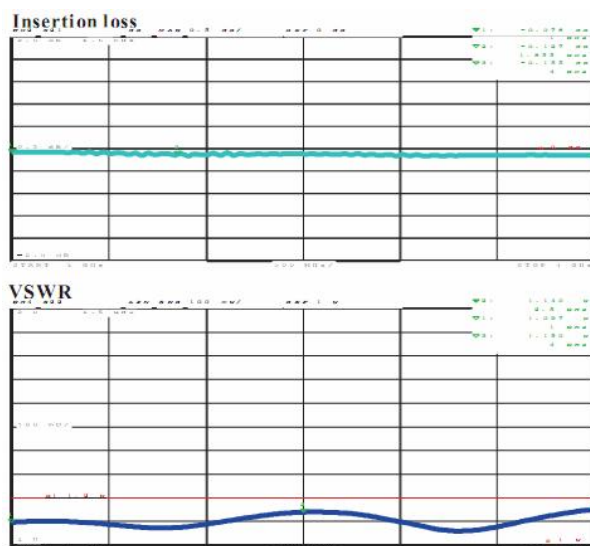
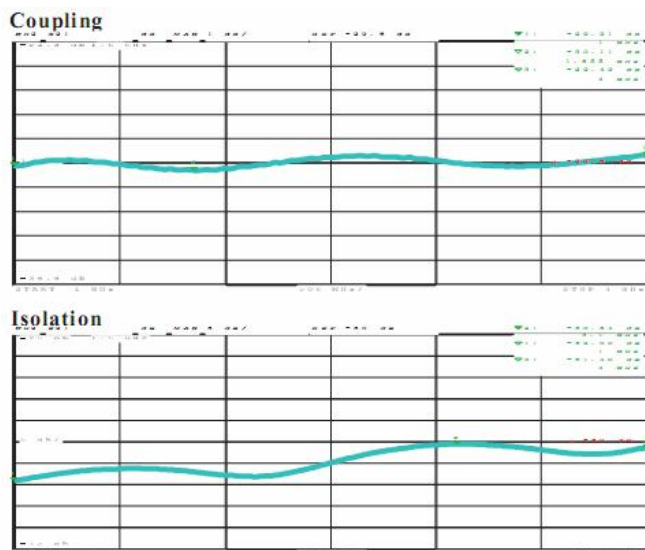
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TYPICAL PLOT



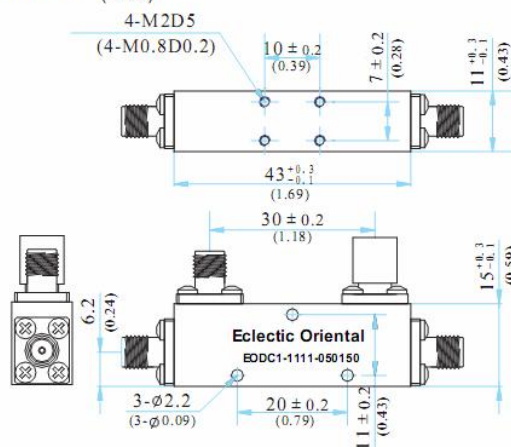
P/N: EODC1-1111-050150

FEATURES

- ❖ SMA connector
- ❖ Adopting Strip Line on Circuit
- ❖ Low Insertion Loss
- ❖ High Directivity
- ❖ High Power Handling
- ❖ Broadband
- ❖ Interior Located Termination

SPECIFICATIONS

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



Frequency Range	Insertion Loss	Coupling	VSWR	Directivity
2-8GHz	0.5dB	6±1dB	1.2	20dB
Frequency Sensitivity	Connector	Power Handling	Working Temperature	Storage Temperature
±1.0dB	SMA-F	50W	-55~+85℃	-55~+100℃

Note 1. It mainly is used for radar,communication,satellite communication,navigation,measuring and testing fields,sampling and monitoring signal and splitting and combining uneven power.

Note 2. There are diverse coupling at choice.

Note 3. This is Hermercs standard product and can be customized .

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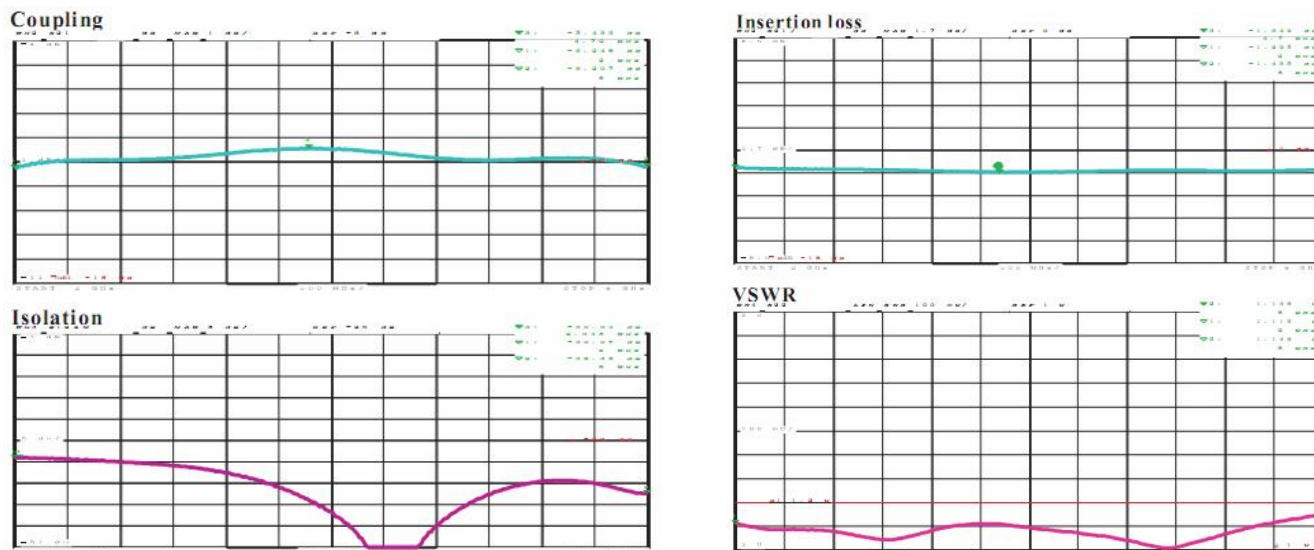
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TYPICAL PLOT

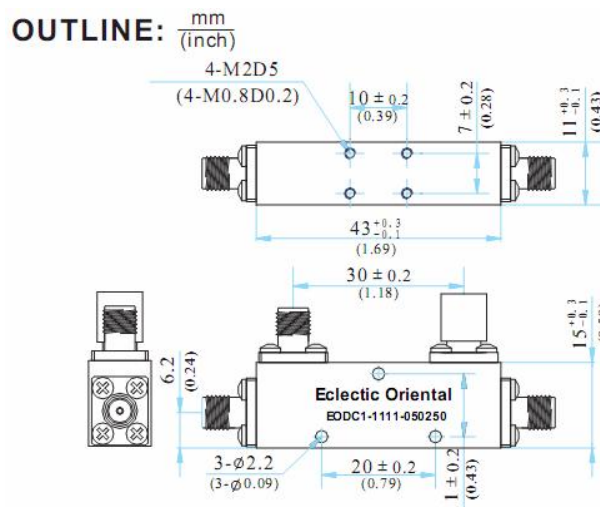


P/N: EODC1-1111-050250

FEATURES

- ❖ SMA connector
- ❖ Adopting Strip Line on Circuit
- ❖ Low Insertion Loss
- ❖ High Directivity
- ❖ High Power Handling
- ❖ Broadband
- ❖ Interior Located Termination

SPECIFICATIONS



Frequency Range	Insertion Loss	Coupling	VSWR	Directivity
2-8GHz	0.5dB	10±1dB	1.2	20dB
Frequency Sensitivity	Connector	Power Handling	Working Temperature	Storage Temperature
±1.0dB	SMA-F	50W	-55~+85℃	-55~+100℃

Note 1. It mainly is used for radar,communication,satellite communication,navigation,measuring and testing fields,sampling and monitoring signal and splitting and combining uneven power.

Note 2. There are diverse coupling at choice.

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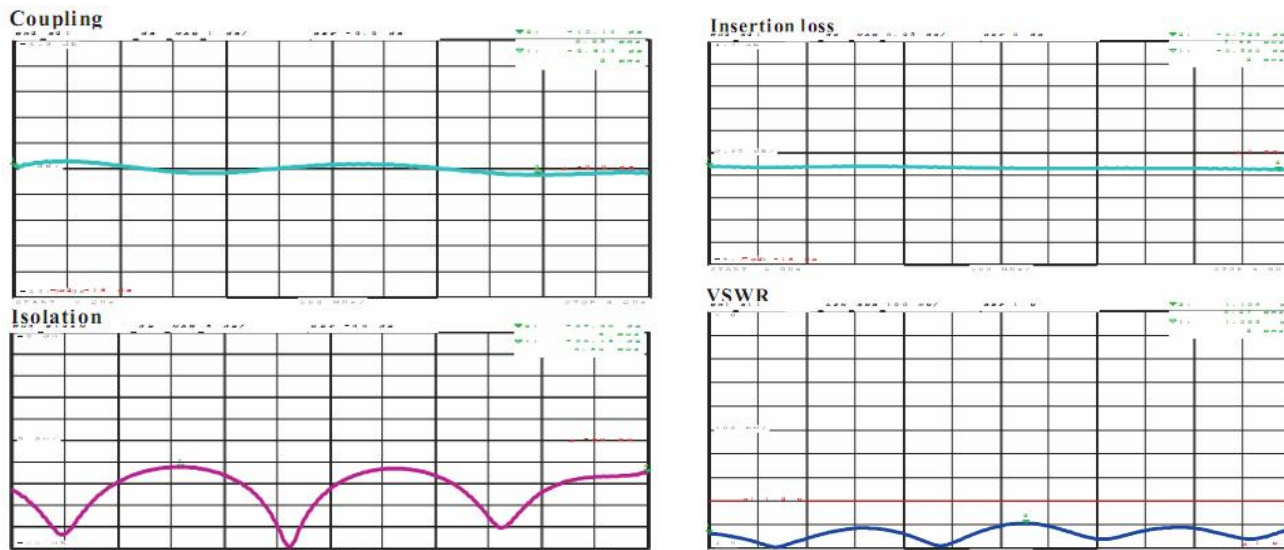
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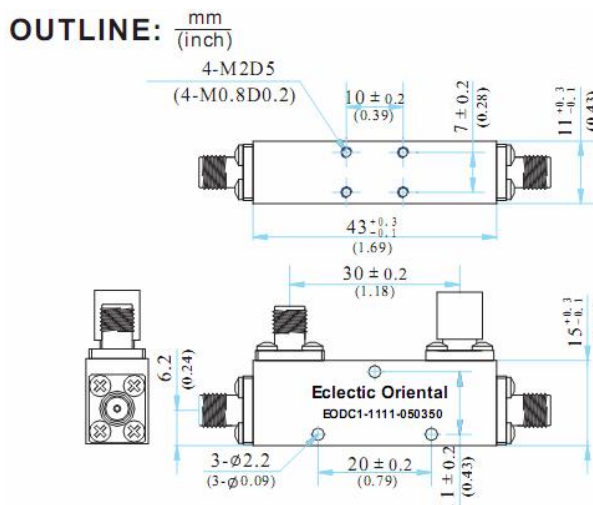


P/N: EODC1-1111-050350

FEATURES

- ❖ SMA connector
- ❖ Adopting Strip Line on Circuit
- ❖ Low Insertion Loss
- ❖ High Directivity
- ❖ High Power Handling
- ❖ Broadband
- ❖ Interior Located Termination

SPECIFICATIONS



Frequency Range	Insertion Loss	Coupling	VSWR	Directivity
2-8GHz	0.4dB	20±1dB	1.2	20dB
Frequency Sensitivity	Connector	Power Handling	Working Temperature	Storage Temperature
±1.0dB	SMA-F	50W	-55~+85℃	-55~+100℃

Note 1. It mainly is used for radar, communication, satellite communication, navigation, measuring and testing fields, sampling and monitoring signal and splitting and combining uneven power.

Note 2. There are diverse coupling at choice.

Note 3. This is Hermercs standard product and can be customized.

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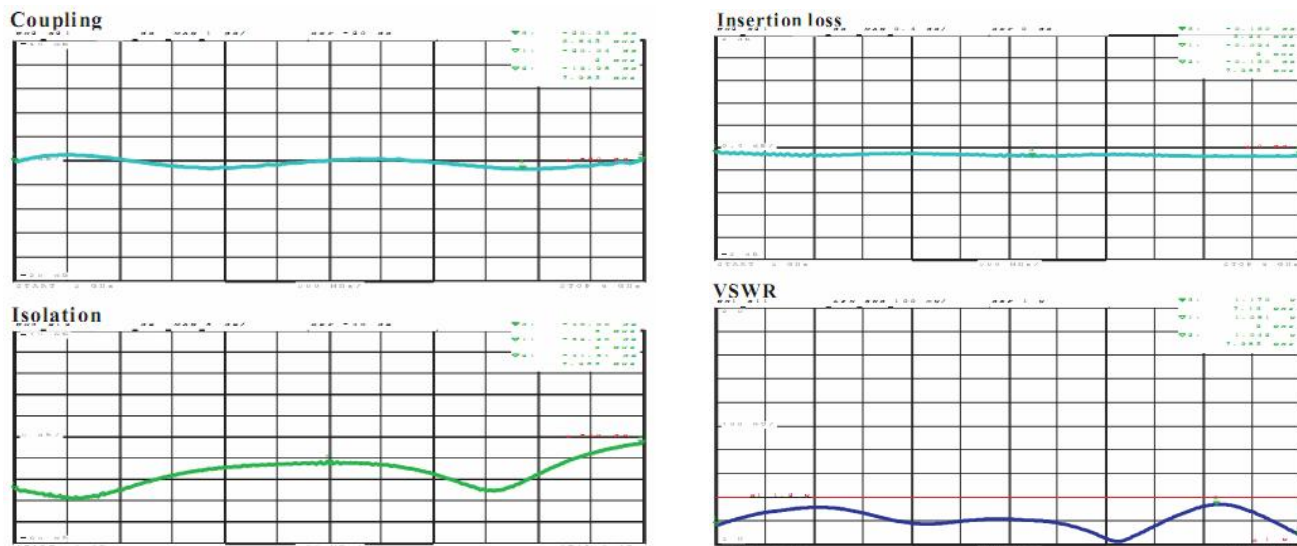
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TYPICAL PLOT

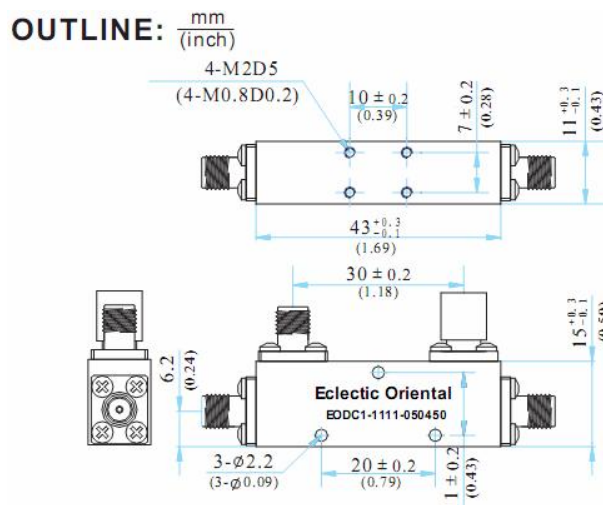


P/N: EODC1-1111-050450

FEATURES

- ❖ SMA connector
- ❖ Adopting Strip Line on Circuit
- ❖ Low Insertion Loss
- ❖ High Directivity
- ❖ High Power Handling
- ❖ Broadband
- ❖ Interior Located Termination

SPECIFICATIONS



Frequency Range	Insertion Loss	Coupling	VSWR	Directivity
2-8GHz	0.4dB	30±1dB	1.2	20dB
Frequency Sensitivity	Connector	Power Handling	Working Temperature	Storage Temperature
±1.0dB	SMA-F	50W	-55~+85℃	-55~+100℃

Note 1. It mainly is used for radar,communication,satellite communication,navigation,measuring and testing fields,sampling and monitoring signal and splitting and combining uneven power.

Note 2. There are diverse coupling at choice.

Note 3. This is Hermercs standard product and can be customized .

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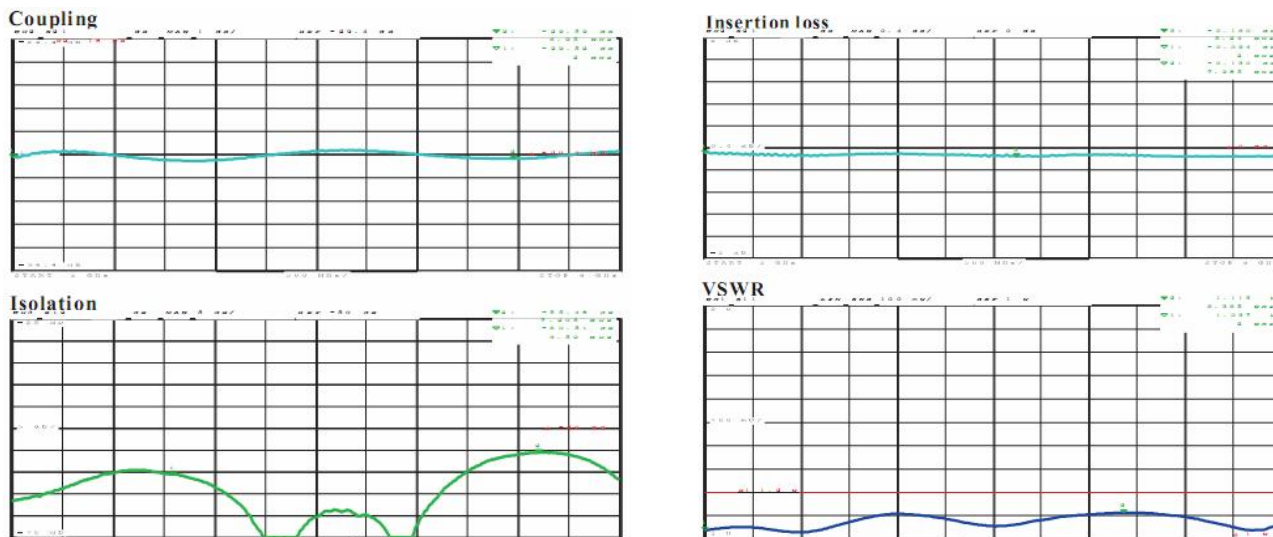
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TYPICAL PLOT

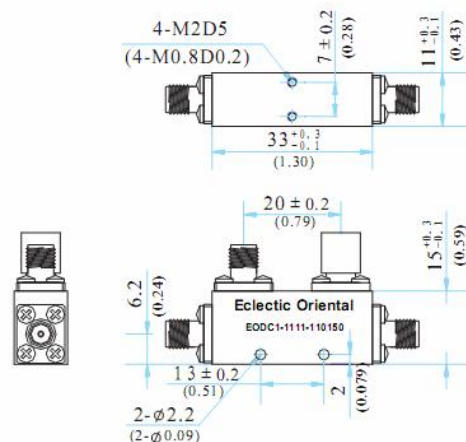


P/N: EODC1-1111-110150

FEATURES

- ❖ SMA connector
- ❖ Adopting Strip Line on Circuit
- ❖ Low Insertion Loss
- ❖ High Directivity
- ❖ High Power Handling
- ❖ Broadband
- ❖ Interior Located Termination

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



SPECIFICATIONS

Frequency Range	Insertion Loss	Coupling	VSWR	Directivity
4-18GHz	0.6dB	10±1dB	1.5	12dB
Frequency Sensitivity	Connector	Power Handling	Working Temperature	Storage Temperature
±1.0dB	SMA-F	50W	-55~+85℃	-55~+100℃

Note 1. It mainly is used for radar,communication,satellite communication,navigation,measuring and testing fields,sampling and monitoring signal and splitting and combining uneven power.

Note 2. There are diverse coupling at choice.

Note 3. This is Hermercs standard product and can be customized .

TYPICAL PLOT

Hermercs

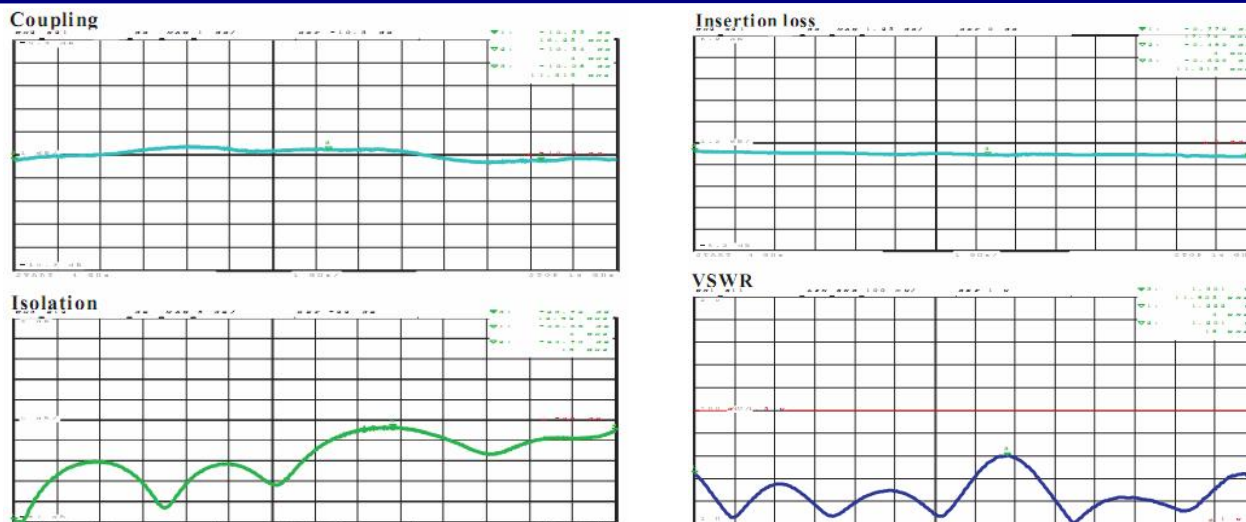
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Fax: +86-25-85569295

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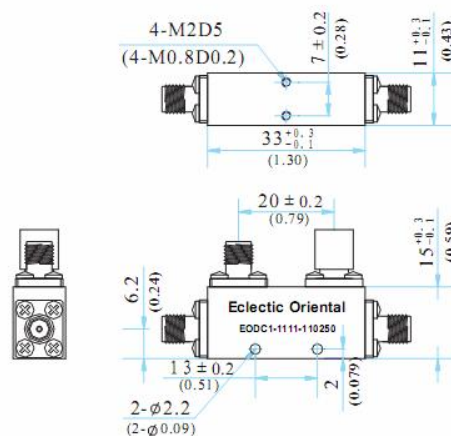


P/N: EODC1-1111-110250

FEATURES

- ❖ SMA connector
- ❖ Adopting Strip Line on Circuit
- ❖ Low Insertion Loss
- ❖ High Directivity
- ❖ High Power Handling
- ❖ Broadband
- ❖ Interior Located Termination

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



SPECIFICATIONS

Frequency Range	Insertion Loss	Coupling	VSWR	Directivity
4-18GHz	0.6dB	20±1dB	1.5	12dB
Frequency Sensitivity	Connector	Power Handling	Working Temperature	Storage Temperature
±1.0dB	SMA-F	50W	-55~+85℃	-55~+100℃

Note 1. It mainly is used for radar,communication,satellite communication,navigation,measuring and testing fields,sampling and monitoring signal and splitting and combining uneven power.

Note 2. There are diverse coupling at choice.

Note 3. This is Hermercs standard product and can be customized .

TYPICAL PLOT

Hermercs

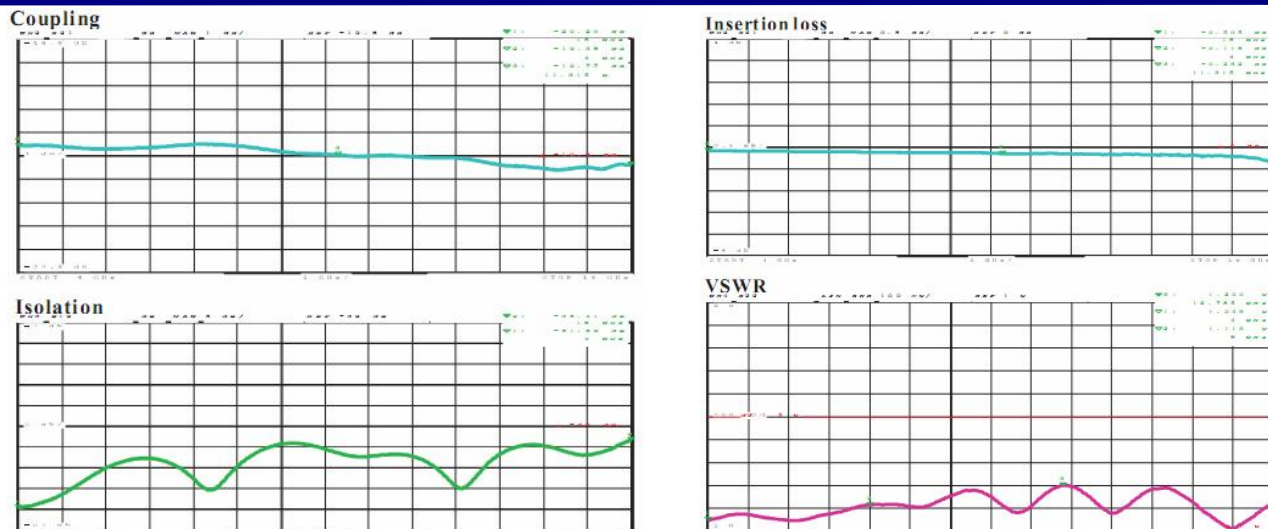
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Fax: +86-25-85569295

Web Site: www.hermercs.com

E-mail: sales@hermercs.com

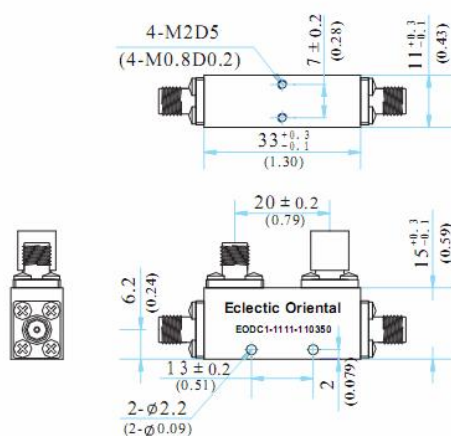


P/N: EODC1-1111-110350

FEATURES

- ❖ SMA connector
- ❖ Adopting Strip Line on Circuit
- ❖ Low Insertion Loss
- ❖ High Directivity
- ❖ High Power Handling
- ❖ Broadband
- ❖ Interior Located Termination

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



SPECIFICATIONS

Frequency Range	Insertion Loss	Coupling	VSWR	Directivity
4-18GHz	0.6dB	30±1dB	1.5	12dB
Frequency Sensitivity	Connector	Power Handling	Working Temperature	Storage Temperature
±1.0dB	SMA-F	50W	-55~+85℃	-55~+100℃

Note 1. It mainly is used for radar,communication,satellite communication,navigation,measuring and testing fields,sampling and monitoring signal and splitting and combining uneven power.

Note 2. There are diverse coupling at choice.

Note 3. This is Hermercs standard product and can be customized .

TYPICAL PLOT

Hermercs

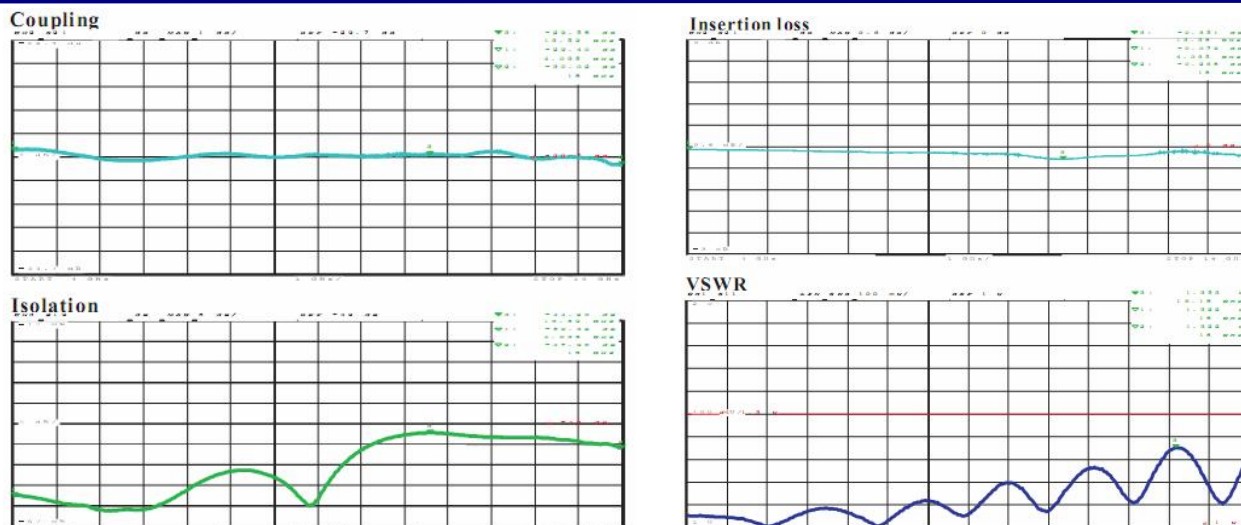
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Other Types of Multi-Octave Band Directional Couplers

FEATURES

- ❖ SMA connector
- ❖ Adopting Strip Line on Circuit
- ❖ Low Insertion Loss
- ❖ High Directivity
- ❖ High Power Handling
- ❖ Broadband
- ❖ Interior Located Termination

SPECIFICATIONS

Part Number	Freq. Range	Coupling	Insertion Loss	VSWR	Frequency Sensitivity	Directivity
EODC1-1111-090150	0.5-18GHz	10±1dB	1.6dB	1.6	±1.0dB	10dB
EODC1-1111-090350	0.5-18GHz	30±1dB	1.6dB	1.6	±1.0dB	10dB
EODC1-1111-100250	1-18GHz	20±1dB	1.2dB	1.6	±1.0dB	12dB
EODC1-1111-100350	1-18GHz	30±1dB	1.2dB	1.6	±1.0dB	12dB

Note 1. It mainly is used for EW, radar, communication, measuring and testing fields, sampling and monitoring signal and splitting and combining uneven power.

Note 2. There are diverse coupling at choice.

Note 3. This is Hermercs standard product and can be customized .

Multi-Octave Band Directional Couplers For Communication

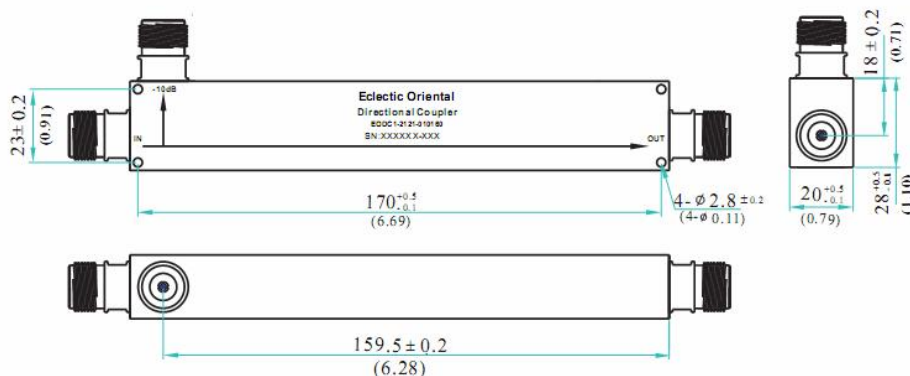
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P/N: EODC1-2121-010160

FEATURES

- ❖ N-Female connector
- ❖ Adopting Strip Line
- ❖ Low Insertion Loss
- ❖ High Isolation
- ❖ High Power Handling
- ❖ Broadband
- ❖ Inner Termination

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



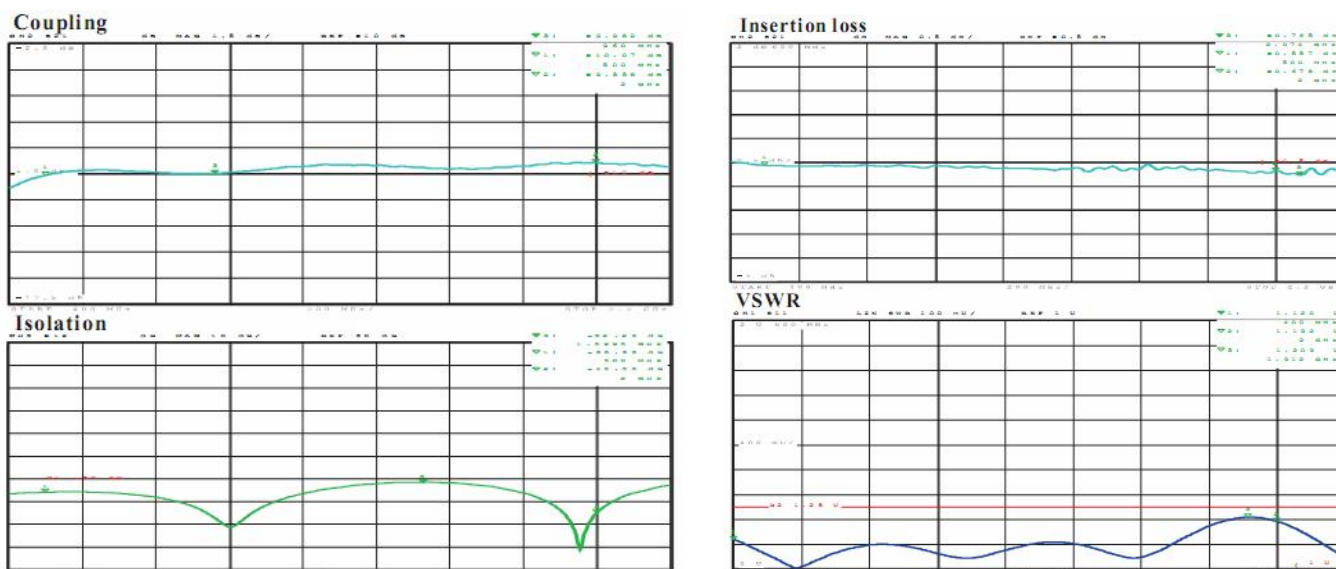
SPECIFICATIONS

Frequency Range	Insertion Loss	Coupling	VSWR	Directivity
0.5-2.0GHz	0.5dB	10 \pm 1dB	1.25	20dB
Frequency Sensitivity	Connector	Power Handling	Working Temperature	Storage Temperature
± 0.7 dB	N-F	60W	-20~+70°C	-40~+70°C

Note 1. It is designed for wireless communication and mainly used for communication BTS and repeaters of GSM,CDMA and WCDMA bands.

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

TYPICAL PLOT



P/N: EODC1-2121-010260

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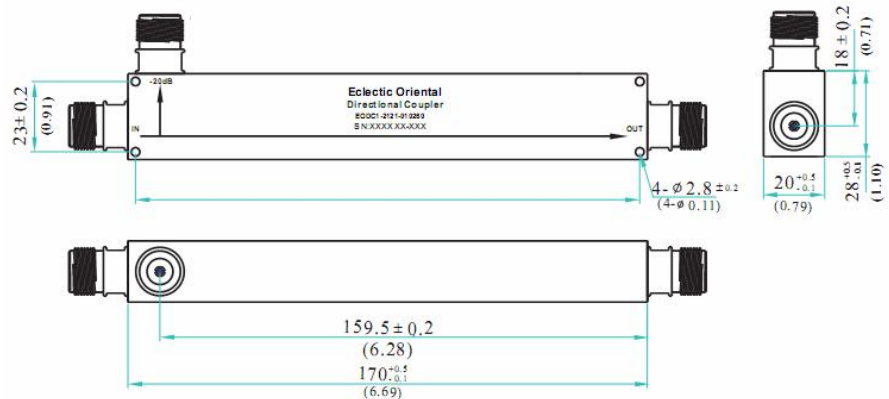
Multi-Octave Band Directional Couplers For Communication

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FEATURES

- ❖ N-Female connector
- ❖ Adopting Strip Line Structure for Circuit
- ❖ Low Insertion Loss
- ❖ High Isolation
- ❖ High Power Handling
- ❖ Broadband
- ❖ Inner Termination

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



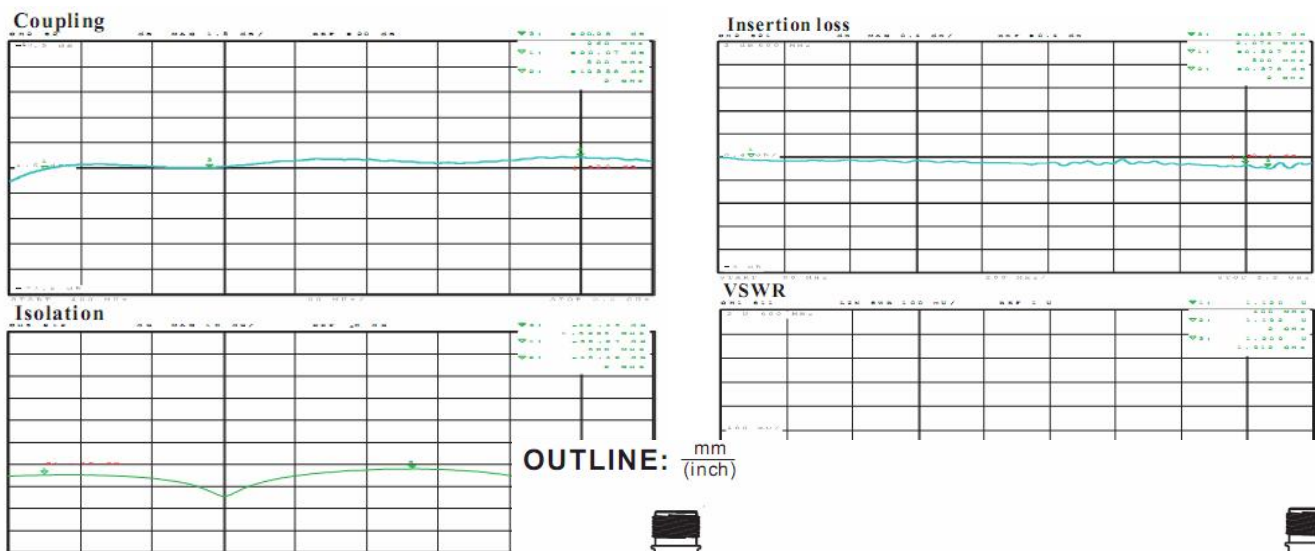
SPECIFICATIONS

Frequency Range	Insertion Loss	Coupling	VSWR	Directivity
0.5-2.0GHz	0.4dB	20±1dB	1.25	20dB
Frequency Sensitivity	Connector	Power Handling	Working Temperature	Storage Temperature
±0.7dB	N-F	60W	-20~+70℃	-40~+70℃

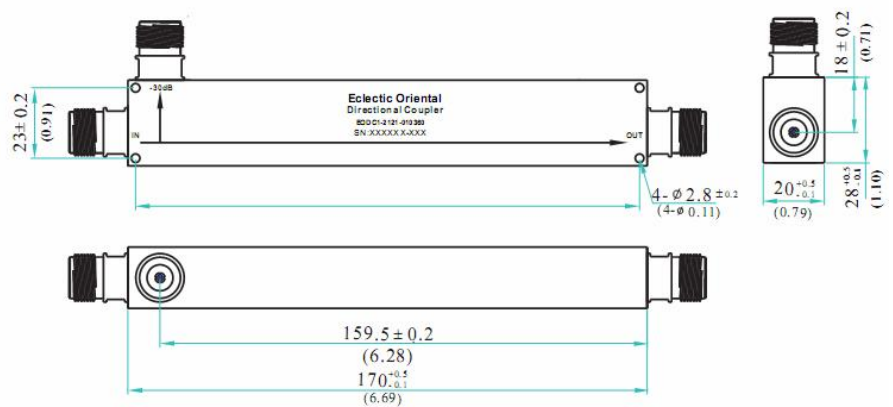
Note 1. It is designed for wireless communication and mainly used for communication BTS and repeaters of GSM,CDMA and WCDMA bands.

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

TYPICAL PLOT



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



P/N: EODC1-2121-010360

FEATURES

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Multi-Octave Band Directional Couplers For Communication

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- ❖ N-Female connector
- ❖ Adopting Strip Line Structure for Circuit
- ❖ Low Insertion Loss
- ❖ High Isolation
- ❖ High Power Handling
- ❖ Broadband
- ❖ Inner Termination

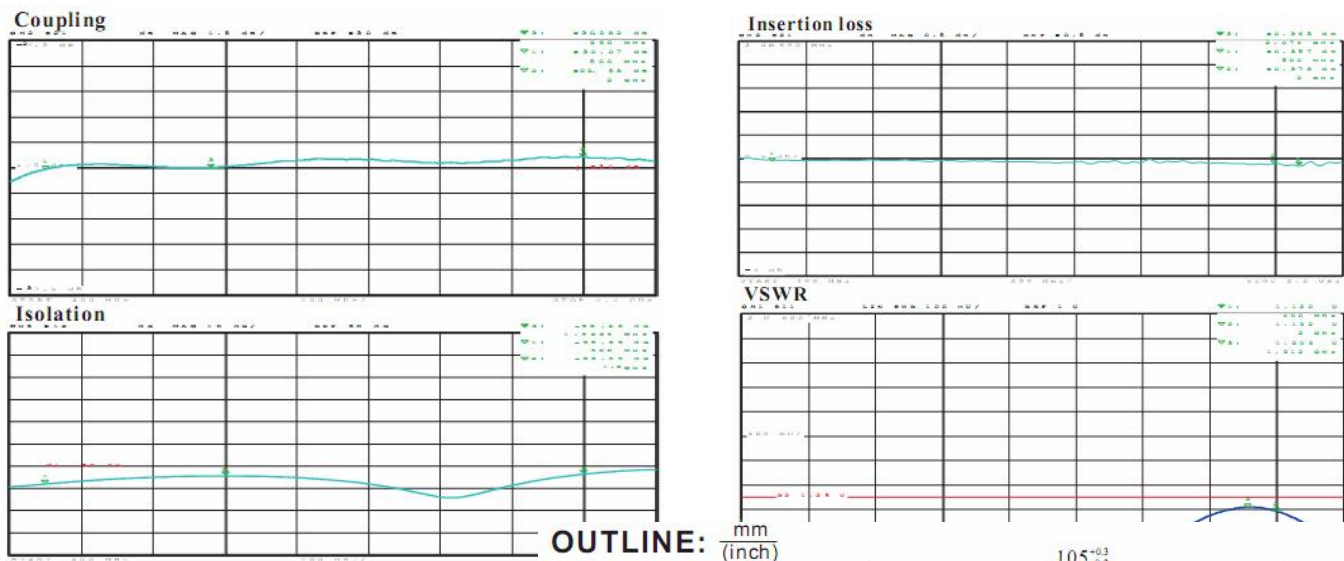
SPECIFICATIONS

Frequency Range	Insertion Loss	Coupling	VSWR	Directivity
0.5-2.0GHz	0.4dB	30±1dB	1.25	20dB
Frequency Sensitivity	Connector	Power Handling	Working Temperature	Storage Temperature
±0.7dB	N-F	60W	-20~+70℃	-40~+70℃

Note 1. It is designed for wireless communication and mainly used for communication BTS and repeaters of GSM,CDMA and WCDMA bands.

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

TYPICAL PLOT

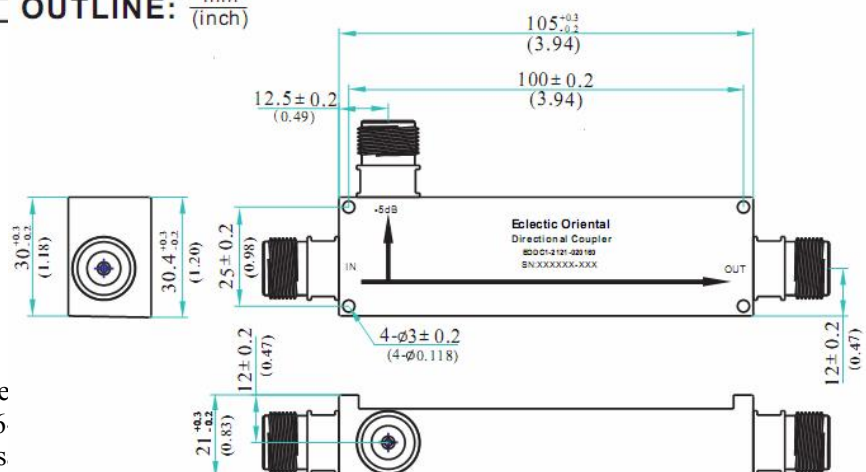


P/N: EODC1-2121-020160

FEATURES

- ❖ N-Female connector

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Multi-Octave Band Directional Couplers For Communication



- ❖ Adopting Strip Line Structure for Circuit
- ❖ Low Insertion Loss
- ❖ High Isolation
- ❖ High Power Handling
- ❖ Broadband
- ❖ Inner Termination

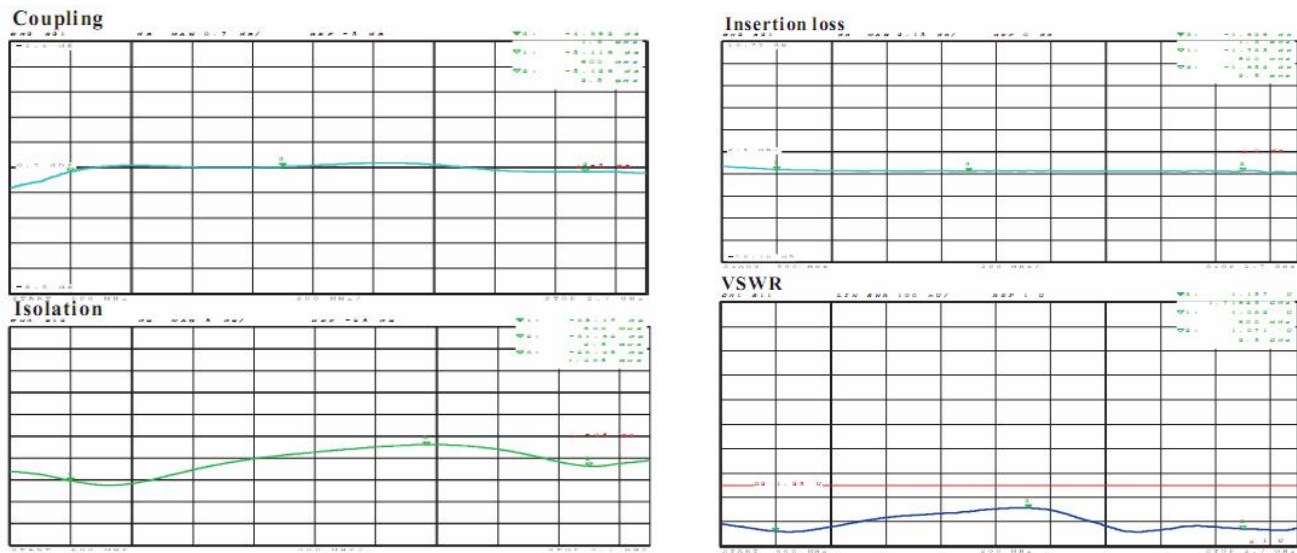
SPECIFICATIONS

Frequency Range	Insertion Loss	Coupling	VSWR	Directivity
0.8-2.5GHz	0.5dB	5±0.5dB	1.25	20dB
Frequency Sensitivity	Connector	Power Handling	Working Temperature	Storage Temperature
±0.7dB	N-F	60W	-20~+70℃	-40~+70℃

Note 1. It is designed for wireless communication and mainly used for communication BTS and repeaters of GSM,CDMA and WCDMA bands.

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

TYPICAL PLOT



P/N: EODC1-2121-020260

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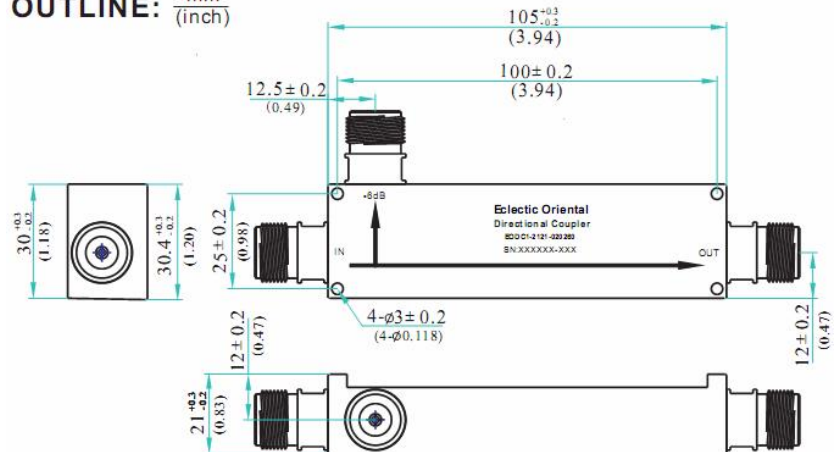
Multi-Octave Band Directional Couplers For Communication

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FEATURES

- ❖ N-Female connector
- ❖ Adopting Strip Line Structure for Circuit
- ❖ Low Insertion Loss
- ❖ High Isolation
- ❖ High Power Handling
- ❖ Broadband
- ❖ Inner Termination

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



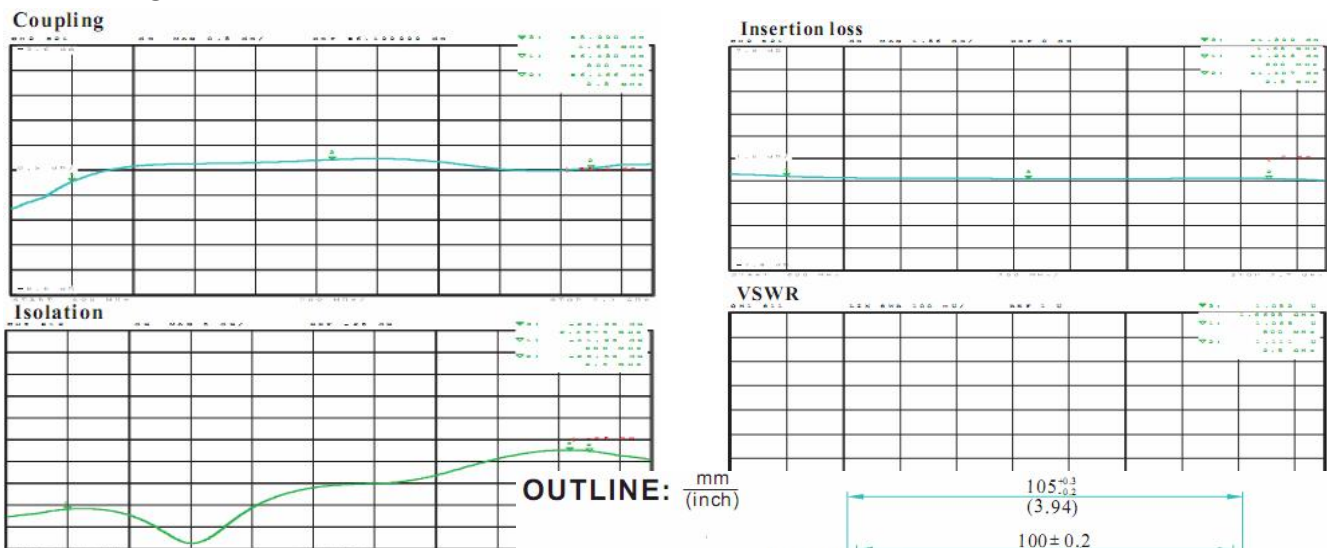
SPECIFICATIONS

Frequency Range	Insertion Loss	Coupling	VSWR	Directivity
0.8-2.5GHz	0.5dB	6±0.5dB	1.25	20dB
Frequency Sensitivity	Connector	Power Handling	Working Temperature	Storage Temperature
±0.7dB	N-F	60W	-20~+70°C	-40~+70°C

Note 1. It is designed for wireless communication and mainly used for communication BTS and repeaters of GSM,CDMA and WCDMA bands.

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

TYPICAL PLOT

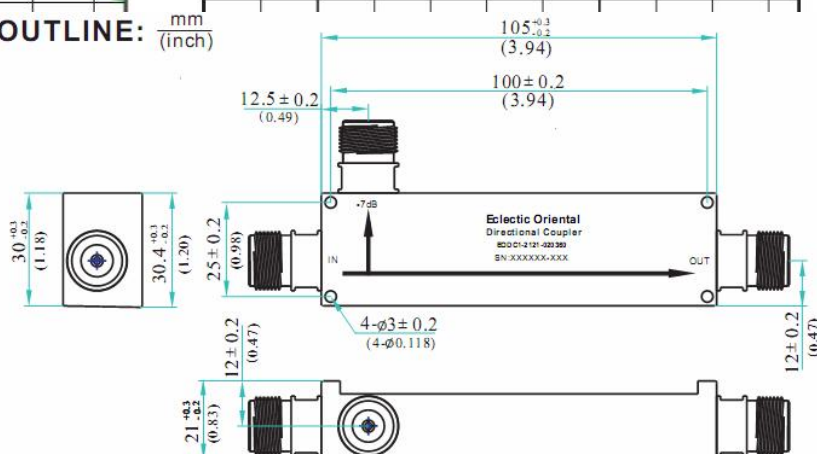


P/N: EODC1-2121-020360

FEATURES

Hermercs
Add: 2th Floor, Building 8, Jingang Pioneering Co
Tel: 86-25-85490880 Fax: +86
Web Site: www.hermercs.com E-mail: sales@hermercs.com

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



Multi-Octave Band Directional Couplers For Communication

HERMERCS

- ❖ N-Female connector
- ❖ Adopting Strip Line Structure for Circuit
- ❖ Low Insertion Loss
- ❖ High Isolation
- ❖ High Power Handling
- ❖ Broadband
- ❖ Inner Termination

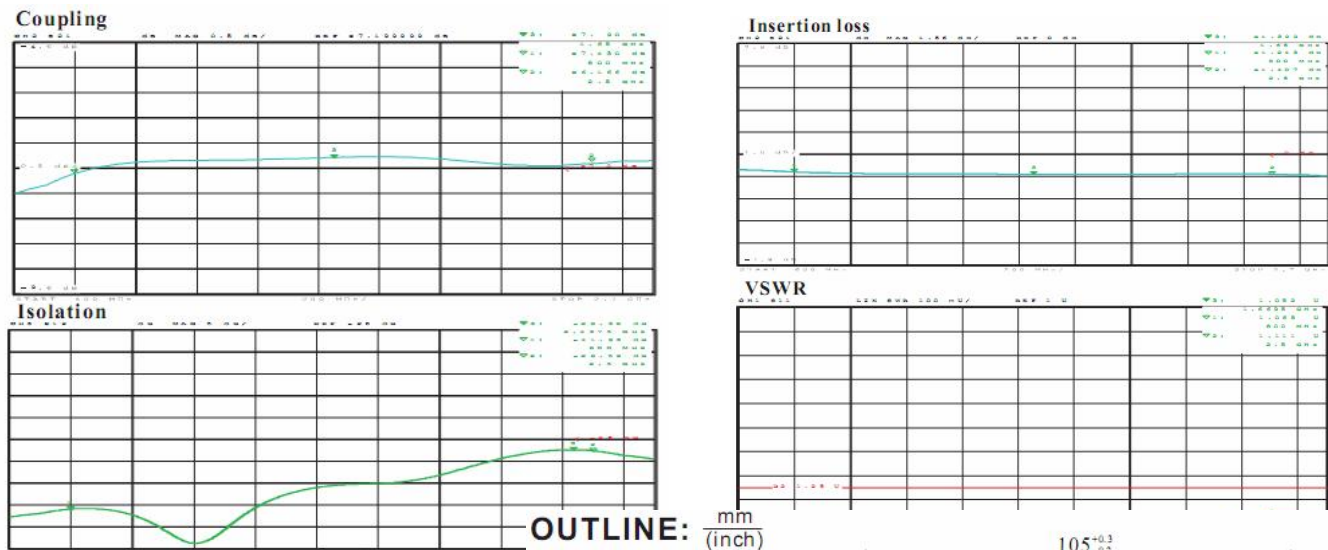
SPECIFICATIONS

Frequency Range	Insertion Loss	Coupling	VSWR	Directivity
0.8-2.5GHz	0.5dB	7±0.5dB	1.25	20dB
Frequency Sensitivity	Connector	Power Handling	Working Temperature	Storage Temperature
±0.7dB	N-F	60W	-20~+70℃	-40~+70℃

Note 1. It is designed for wireless communication and mainly used for communication BTS and repeaters of GSM,CDMA and WCDMA bands.

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

TYPICAL PLOT



P/N: EODC1-2121-020460

FEATURES

- ❖ N-Female connector
- ❖ Adopting Strip Line Structure for Circuit

Hermercs

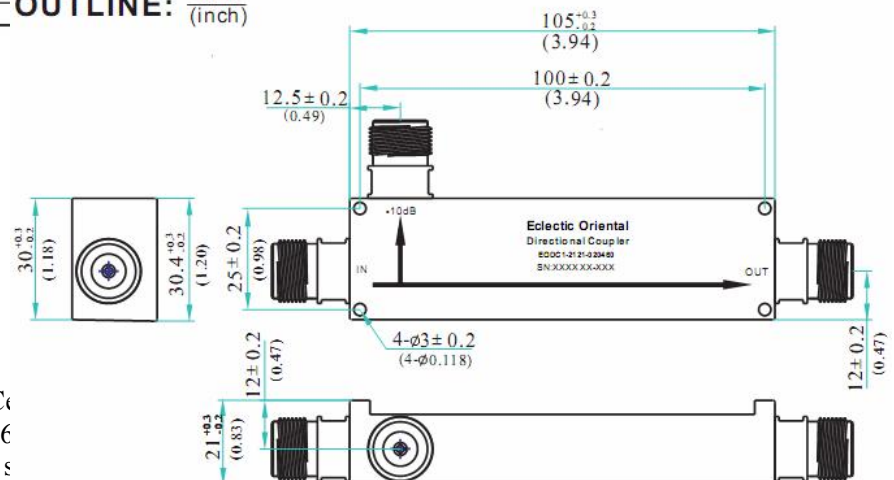
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Tel: 86-25-85490880

Web Site: www.hermercs.com

Fax: +86

E-mail: s



Multi-Octave Band Directional Couplers For Communication



- ❖ Low Insertion Loss
- ❖ High Isolation
- ❖ High Power Handling
- ❖ Broadband
- ❖ Inner Termination

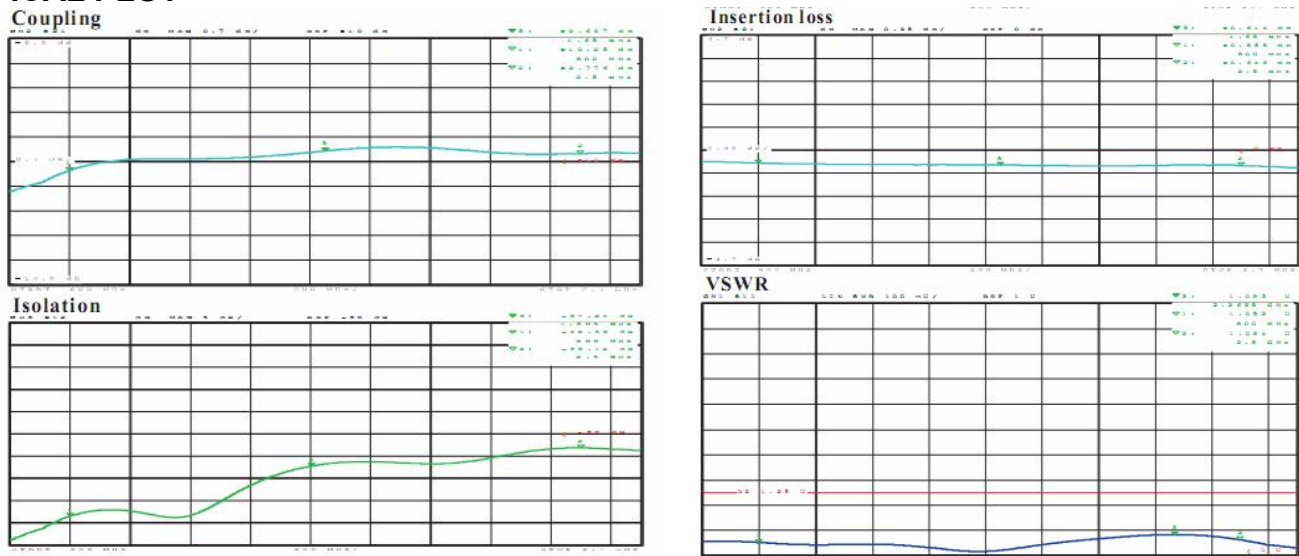
SPECIFICATIONS

Frequency Range	Insertion Loss	Coupling	VSWR	Directivity
0.8-2.5GHz	0.5dB	10±0.8dB	1.25	20dB
Frequency Sensitivity	Connector	Power Handling	Working Temperature	Storage Temperature
±0.7dB	N-F	60W	-20~+70°C	-40~+70°C

Note 1. It is designed for wireless communication and mainly used for communication BTS and repeaters of GSM, CDMA and WCDMA bands.

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

TYPICAL PLOT

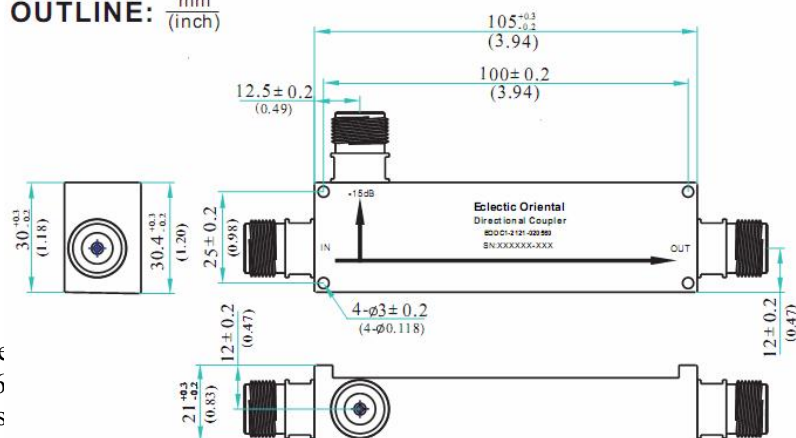


P/N: EODC1-2121-020560

FEATURES

- ❖ N-Female connector
- ❖ Adopting Strip Line Structure for Circuit
- ❖ Low Insertion Loss
- ❖ High Isolation

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



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Multi-Octave Band Directional Couplers For Communication



- ❖ High Power Handling
- ❖ Broadband
- ❖ Inner Termination

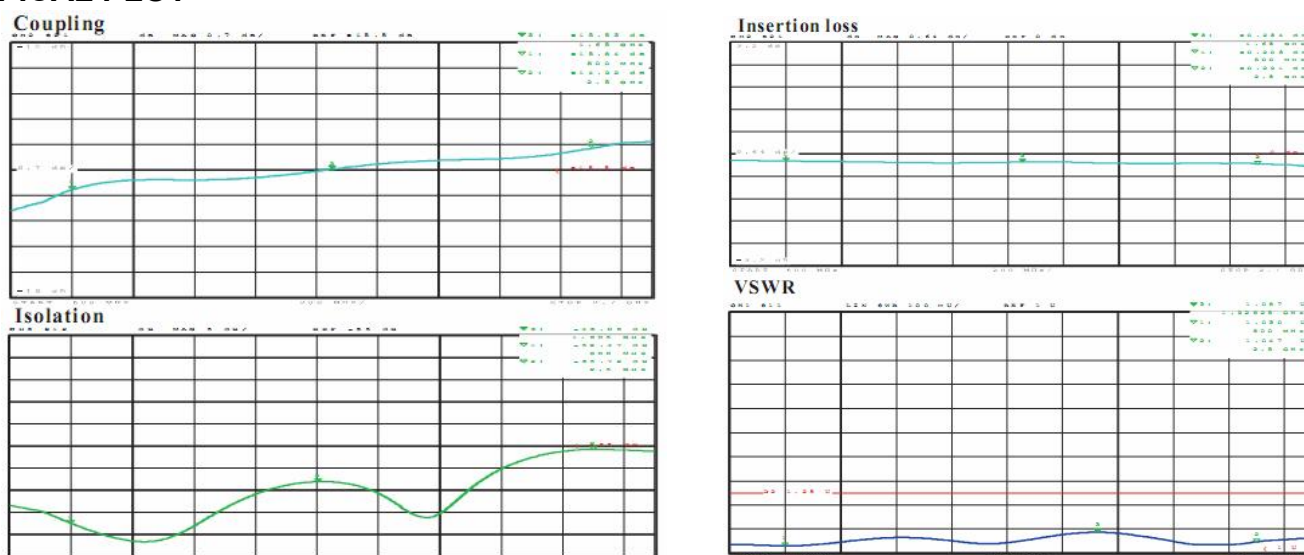
SPECIFICATIONS

Frequency Range	Insertion Loss	Coupling	VSWR	Directivity
0.8-2.5GHz	0.5dB	15±1.0dB	1.25	20dB
Frequency Sensitivity	Connector	Power Handling	Working Temperature	Storage Temperature
±0.7dB	N-F	60W	-20~+70℃	-40~+70℃

Note 1. It is designed for wireless communication and mainly used for communication BTS and repeaters of GSM, CDMA and WCDMA bands.

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

TYPICAL PLOT

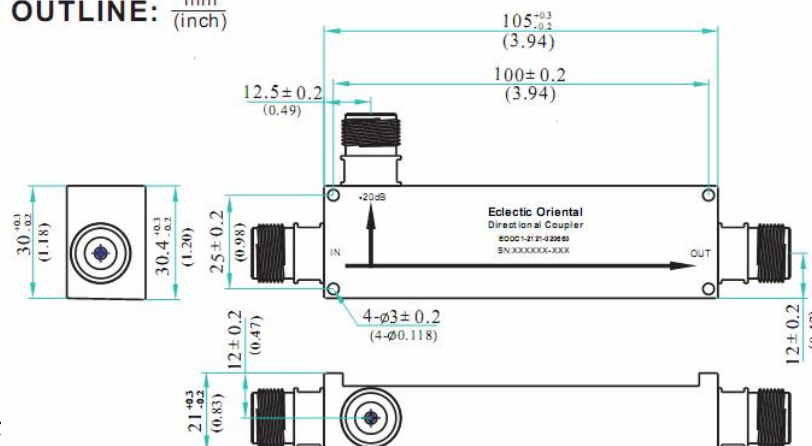


P/N: EODC1-2121-020660

FEATURES

- ❖ N-Female connector
- ❖ Adopting Strip Line Structure for Circuit
- ❖ Low Insertion Loss
- ❖ High Isolation
- ❖ High Power Handling
- ❖ Broadband

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



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E-mail: sales@hermercs.com

Multi-Octave Band Directional Couplers For Communication



❖ Inner Termination

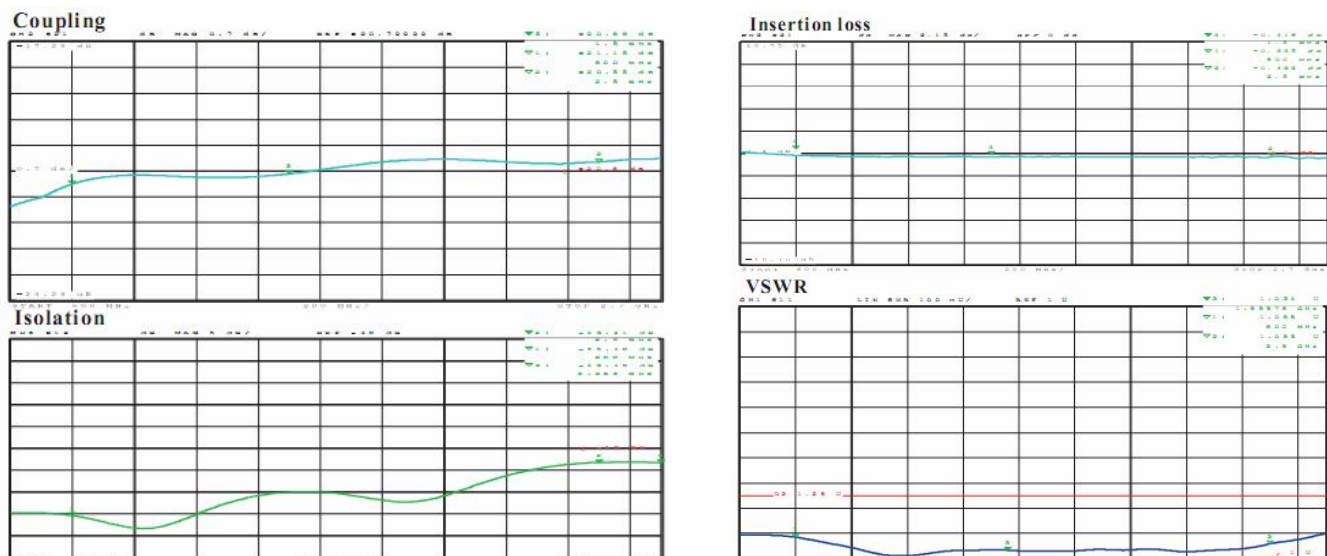
SPECIFICATIONS

Frequency Range	Insertion Loss	Coupling	VSWR	Directivity
0.8-2.5GHz	0.4dB	20±1.0dB	1.25	20dB
Frequency Sensitivity	Connector	Power Handling	Working Temperature	Storage Temperature
±0.7dB	N-F	60W	-20~+70℃	-40~+70℃

Note 1. It is designed for wireless communication and mainly used for communication BTS and repeaters of GSM,CDMA and WCDMA bands.

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

TYPICAL PLOT

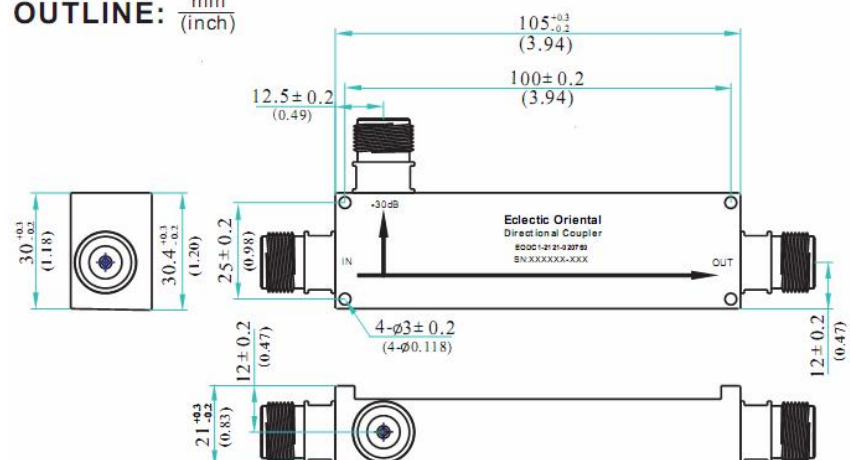


P/N: EODC1-2121-020760

FEATURES

- ❖ N-Female connector
- ❖ Adopting Strip Line Structure for Circuit
- ❖ Low Insertion Loss
- ❖ High Isolation
- ❖ High Power Handling
- ❖ Broadband
- ❖ Inner Termination

OUTLINE: mm
(inch)



Hermercs

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Web Site: www.hermercs.com

E-mail: sales@hermercs.com

Multi-Octave Band Directional Couplers For Communication

SPECIFICATIONS

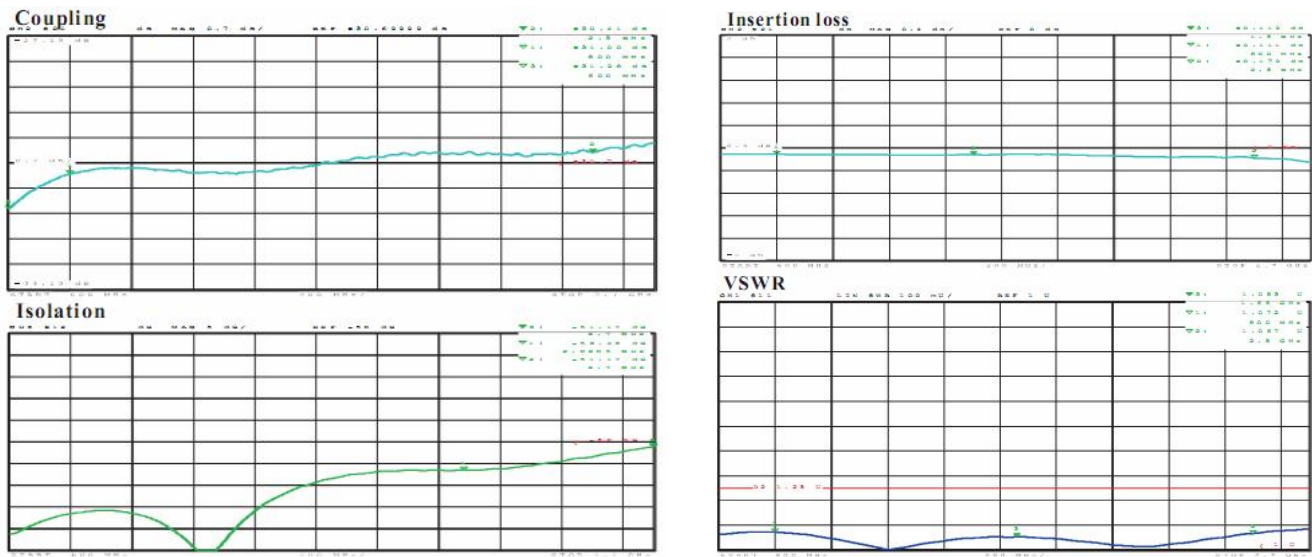
HERMERCs

Frequency Range	Insertion Loss	Coupling	VSWR	Directivity
0.8-2.5GHz	0.4dB	30±1.0dB	1.25	20dB
Frequency Sensitivity	Connector	Power Handling	Working Temperature	Storage Temperature
±0.7dB	N-F	60W	-20~+70℃	-40~+70℃

Note 1. It is designed for wireless communication and mainly used for communication BTS and repeaters of GSM,CDMA and WCDMA bands.

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

TYPICAL PLOT



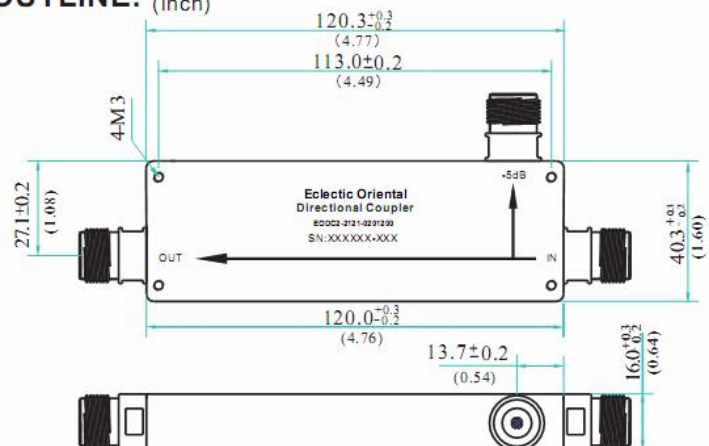
P/N: EODC2-2121-0201200

FEATURES

- ❖ N-Female connector
- ❖ Adopting Slab Line Structure for Circuit
- ❖ Low Insertion Loss
- ❖ High Directivity
- ❖ High Power Handling
- ❖ Broadband
- ❖ Inner Termination

SPECIFICATIONS

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



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E-mail: sales@hermercs.com

Multi-Octave Band Directional Couplers For Communication

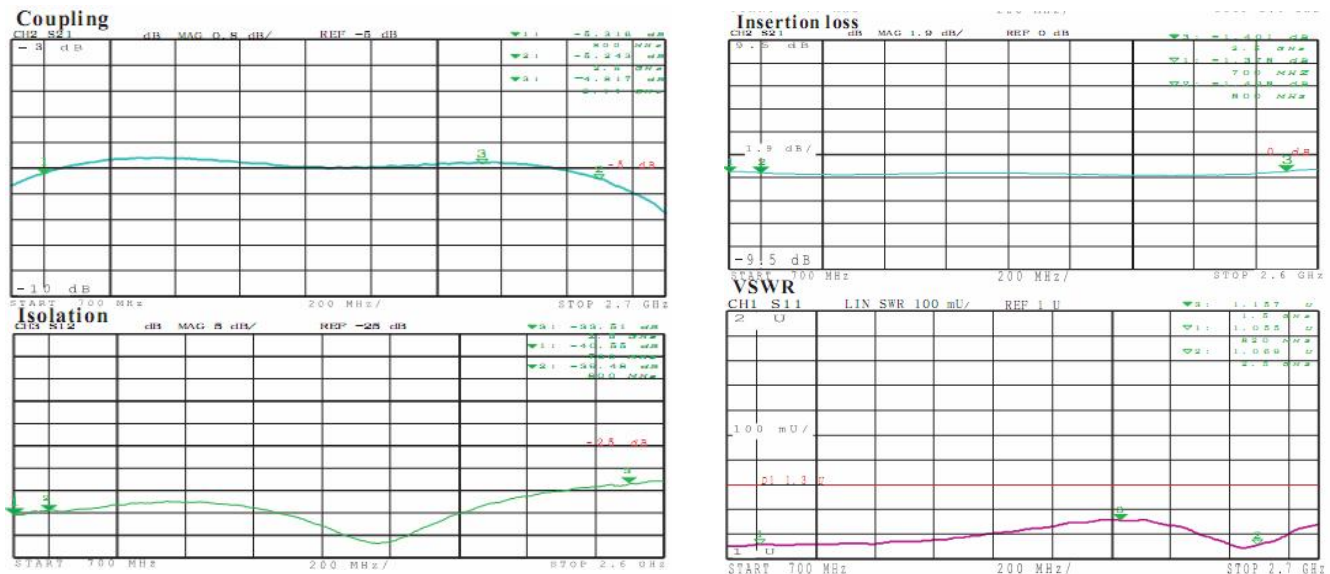


Frequency Range	Insertion Loss	Coupling	VSWR	Directivity
0.8-2.5GHz	0.4dB	5±0.5dB	1.25	20dB
Frequency Sensitivity	Connector	Power Handling	Working Temperature	Storage Temperature
±0.5dB	N-F	200W	-20~+70℃	-40~+70℃

Note 1. It is designed for wireless communication and mainly used for communication BTS and repeaters and indoor coverage system of GSM,CDMA and WCDMA bands.

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

TYPICAL PLOT

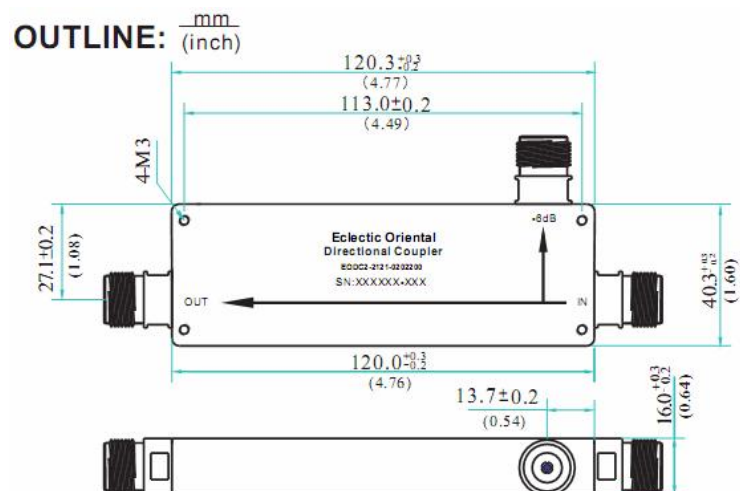


P/N: EODC2-2121-0202200

FEATURES

- ❖ N-Female connector
- ❖ Adopting Slab Line Structure for Circuit
- ❖ Low Insertion Loss
- ❖ High Directivity
- ❖ High Power Handling
- ❖ Broadband
- ❖ Inner Termination

SPECIFICATIONS



Frequency Range	Insertion Loss	Coupling	VSWR	Directivity
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Web Site: www.hermercs.com

E-mail: sales@hermercs.com

Multi-Octave Band Directional Couplers For Communication

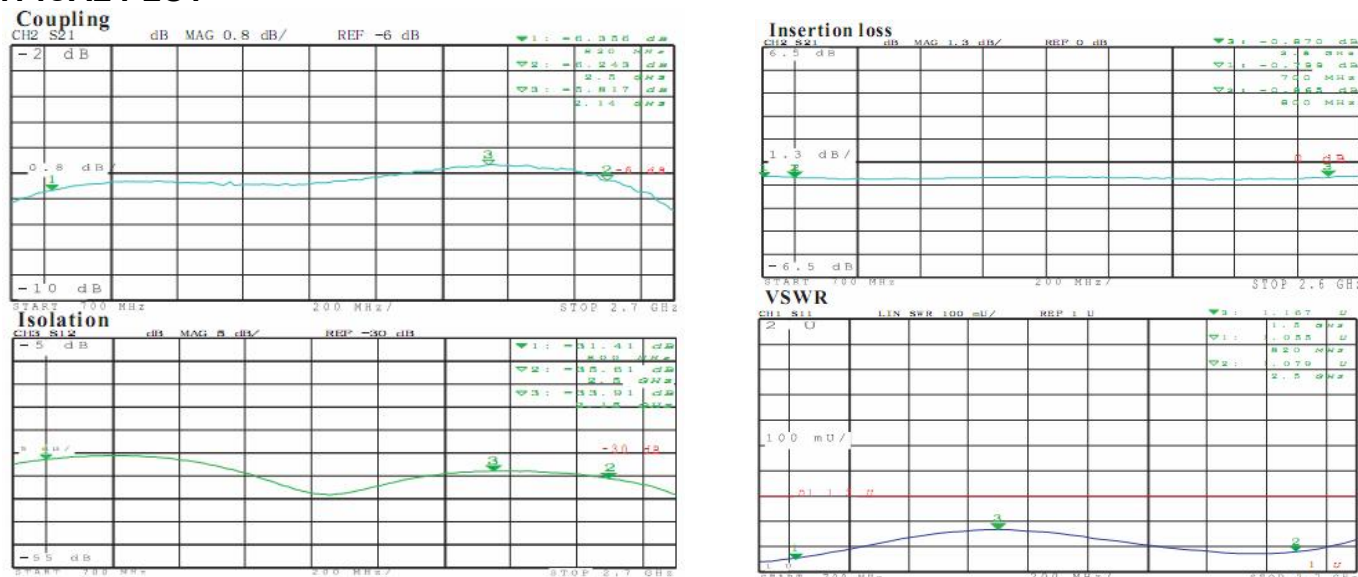
HERMERCS

0.8-2.5GHz	0.4dB	6±0.5dB	1.25	20dB
Frequency	Connector	Power Handling	Working	Storage
Sensitivity			Temperature	Temperature
±0.5dB	N-F	200W	-20~+70℃	-40~+70℃

Note 1. It is designed for wireless communication and mainly used for communication BTS and repeaters and indoor coverage system of GSM,CDMA and WCDMA bands.

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

TYPICAL PLOT



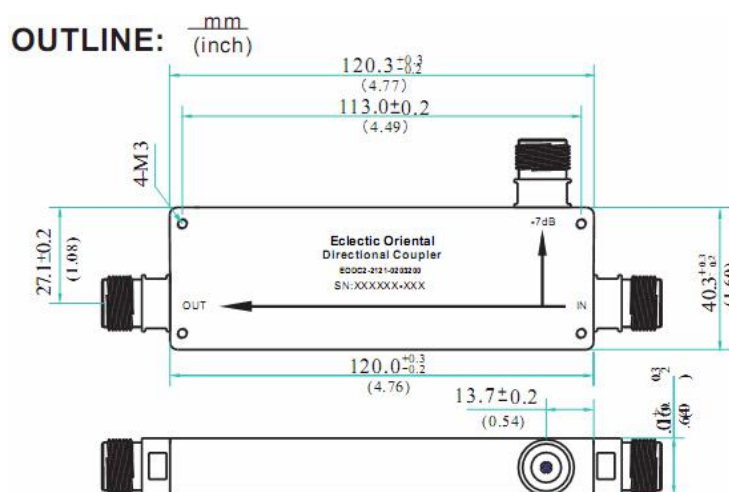
P/N: EODC2-2121-0203200

FEATURES

- ❖ N-Female connector
- ❖ Adopting Slab Line Structure for Circuit
- ❖ Low Insertion Loss
- ❖ High Directivity
- ❖ High Power Handling
- ❖ Broadband
- ❖ Inner Termination

SPECIFICATIONS

Frequency Range	Insertion Loss	Coupling	VSWR	Directivity
0.8-2.5GHz	0.4dB	7±0.5dB	1.25	20dB



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Web Site: www.hermercs.com

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Multi-Octave Band Directional Couplers For Communication

HERMERCS

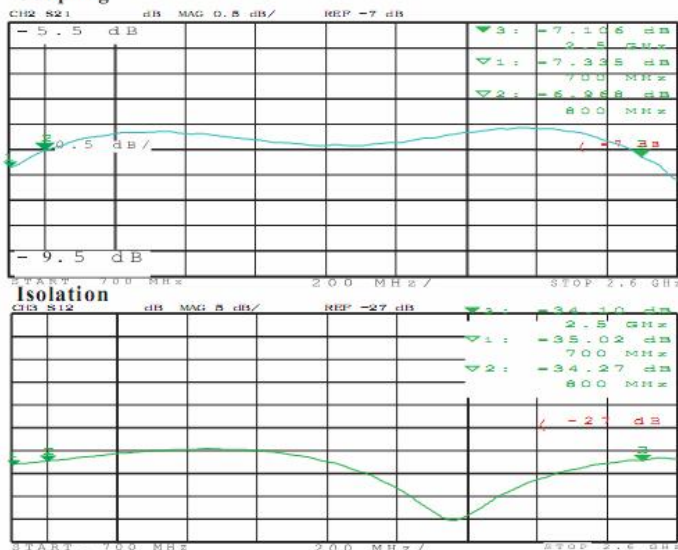
Frequency Sensitivity	Connector	Power Handling	Working Temperature	Storage Temperature
±0.5dB	N-F	200W	-20~+70℃	-40~+70℃

Note 1. It is designed for wireless communication and mainly used for communication BTS and repeaters and indoor coverage system of GSM,CDMA and WCDMA bands.

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

TYPICAL PLOT

Coupling



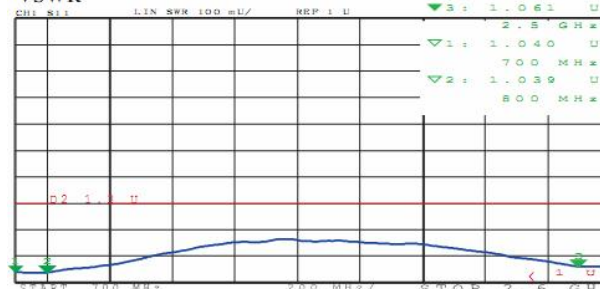
Isolation



Insertion loss



VSWR

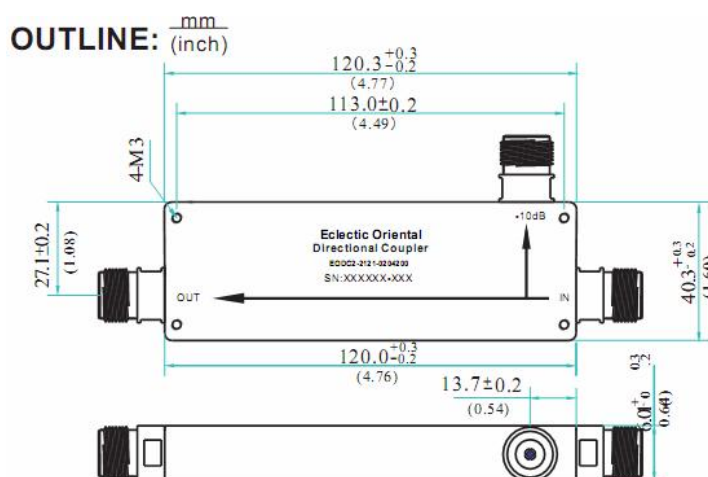


P/N: EODC2-2121-0204200

FEATURES

- ❖ N-Female connector
- ❖ Adopting Slab Line Structure for Circuit
- ❖ Low Insertion Loss
- ❖ High Directivity
- ❖ High Power Handling
- ❖ Broadband
- ❖ Inner Termination

SPECIFICATIONS



Frequency Range	Insertion Loss	Coupling	VSWR	Directivity
0.8-2.5GHz	0.4dB	10±0.8dB	1.25	20dB
Frequency Sensitivity	Connector	Power Handling	Working Temperature	Storage Temperature

Hermercs

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Web Site: www.hermercs.com

E-mail: sales@hermercs.com

Multi-Octave Band Directional Couplers For Communication

HERMERCs

±0.7dB

N-F

200W

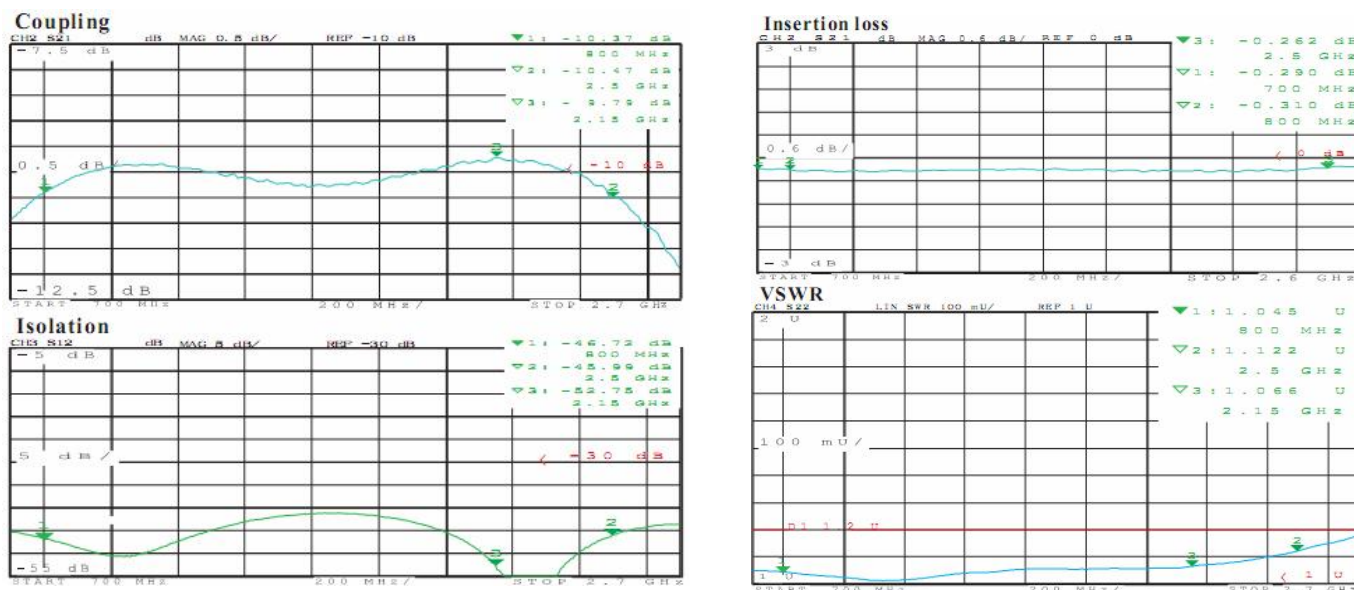
-20~+70℃

-40~+70℃

Note 1. It is designed for wireless communication and mainly used for communication BTS and repeaters and indoor coverage system of GSM,CDMA and WCDMA bands.

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

TYPICAL PLOT

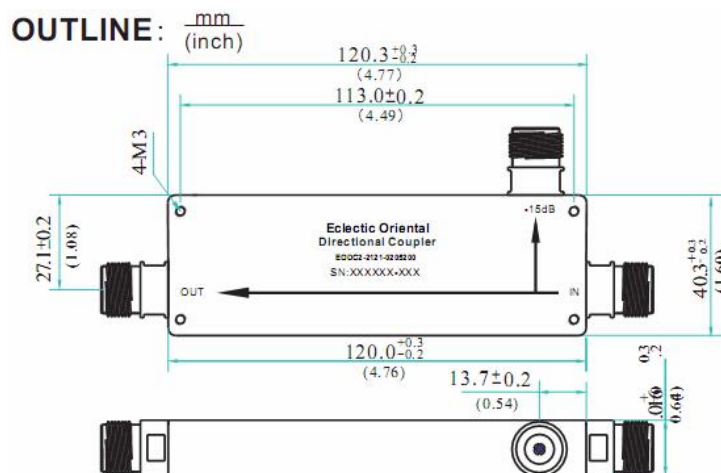


P/N: EODC2-2121-0205200

FEATURES

- ❖ N-Female connector
- ❖ Adopting Slab Line Structure for Circuit
- ❖ Low Insertion Loss
- ❖ High Directivity
- ❖ High Power Handling
- ❖ Broadband
- ❖ Inner Termination

SPECIFICATIONS



Frequency Range	Insertion Loss	Coupling	VSWR	Directivity
0.8-2.5GHz	0.3dB	15±1.0dB	1.25	20dB
Frequency Sensitivity	Connector	Power Handling	Working Temperature	Storage Temperature
±0.7dB	N-F	200W	-20~+70℃	-40~+70℃

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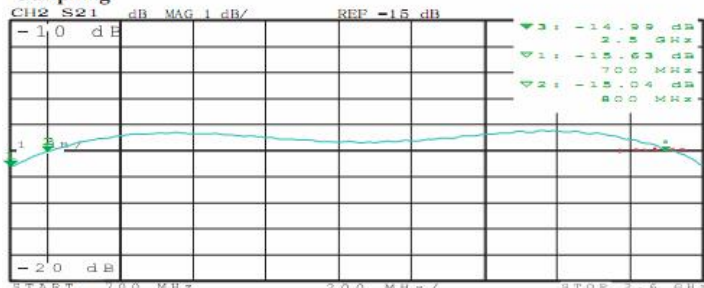
HERMERCs

Note 1. It is designed for wireless communication and mainly used for communication BTS and repeaters and indoor coverage system of GSM, CDMA and WCDMA bands.

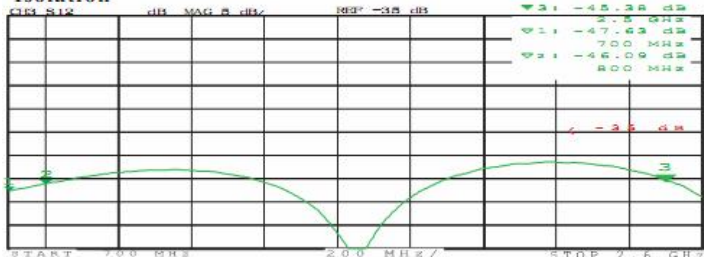
Note 2. This is Hermercs standard product and can be customized.

TYPICAL PLOT

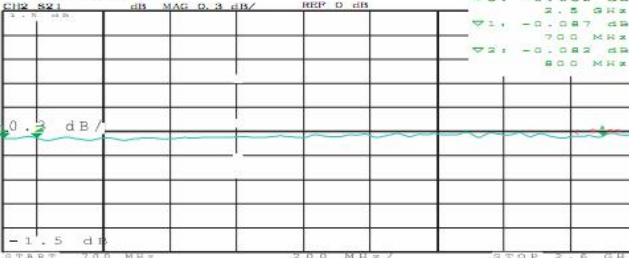
Coupling



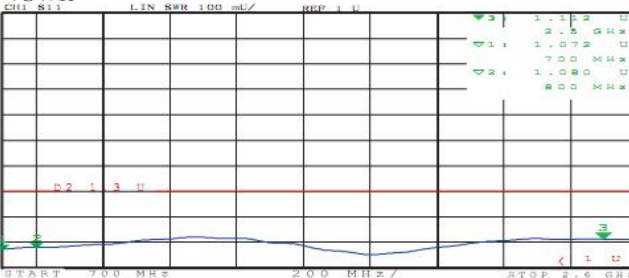
Isolation



Insertion loss



VSWR



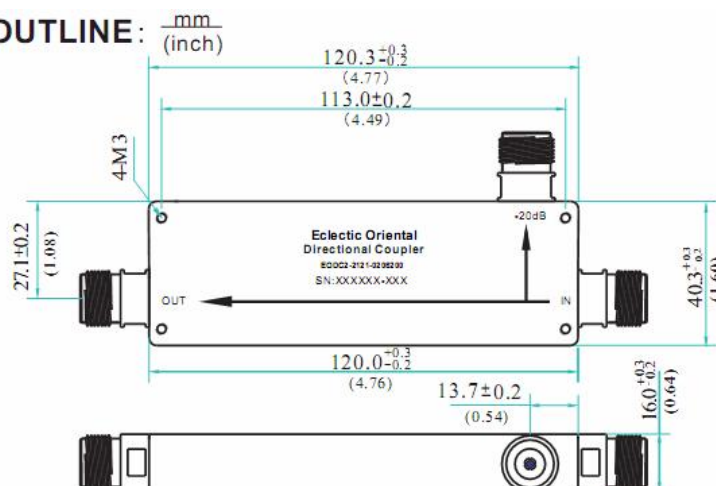
P/N: EODC2-2121-0206200

FEATURES

- ❖ N-Female connector
- ❖ Adopting Slab Line Structure for Circuit
- ❖ Low Insertion Loss
- ❖ High Directivity
- ❖ High Power Handling
- ❖ Broadband
- ❖ Inner Termination

SPECIFICATIONS

OUTLINE:



Frequency Range	Insertion Loss	Coupling	VSWR	Directivity
0.8-2.5GHz	0.3dB	20±1.0dB	1.25	20dB
Frequency Sensitivity	Connector	Power Handling	Working Temperature	Storage Temperature
±0.7dB	N-F	200W	-20~+70°C	-40~+70°C

Hermercs

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Fax: +86-25-85569295

Web Site: www.hermercs.com

E-mail: sales@hermercs.com

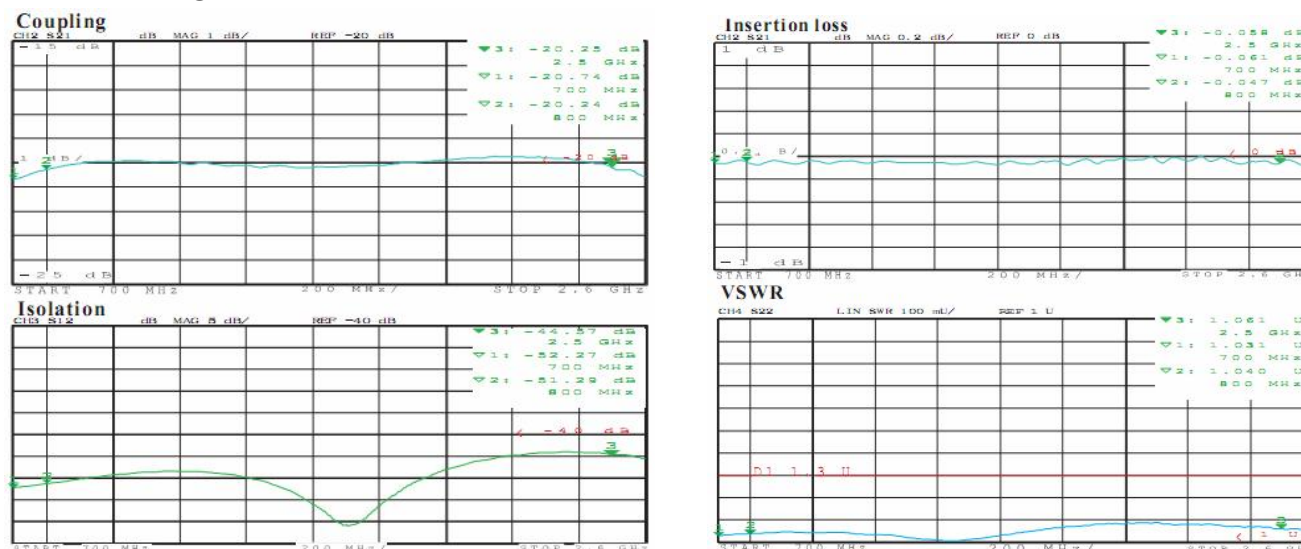
Multi-Octave Band Directional Couplers For Communication

HERMERCs

Note 1. It is designed for wireless communication and mainly used for communication BTS and repeaters and indoor coverage system of GSM, CDMA and WCDMA bands.

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

TYPICAL PLOT

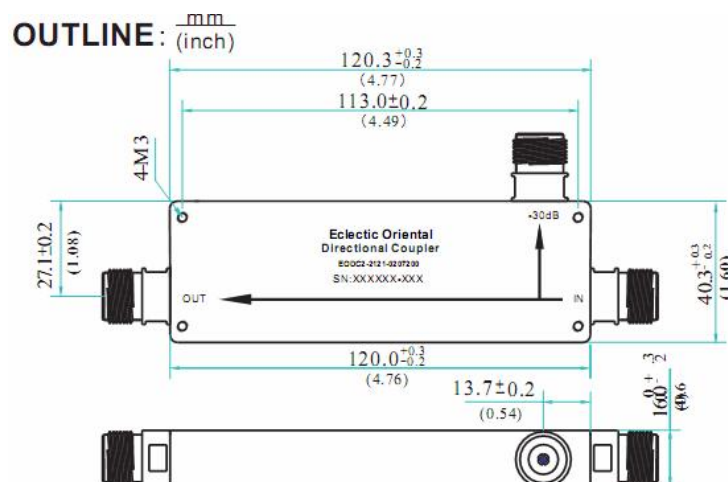


P/N: EODC2-2121-0207200

FEATURES

- ❖ N-Female connector
- ❖ Adopting Slab Line Structure for Circuit
- ❖ Low Insertion Loss
- ❖ High Directivity
- ❖ High Power Handling
- ❖ Broadband
- ❖ Inner Termination

SPECIFICATIONS



Frequency Range	Insertion Loss	Coupling	VSWR	Directivity
0.8-2.5GHz	0.3dB	30±1.0dB	1.25	20dB
Frequency Sensitivity	Connector	Power Handling	Working Temperature	Storage Temperature
±0.7dB	N-F	200W	-20~+70°C	-40~+70°C

Note 1. It is designed for wireless communication and mainly used for communication BTS and repeaters and indoor coverage system of GSM, CDMA and WCDMA bands.

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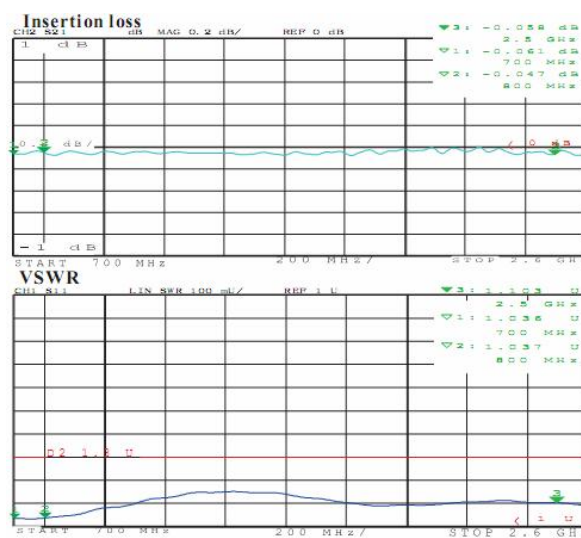
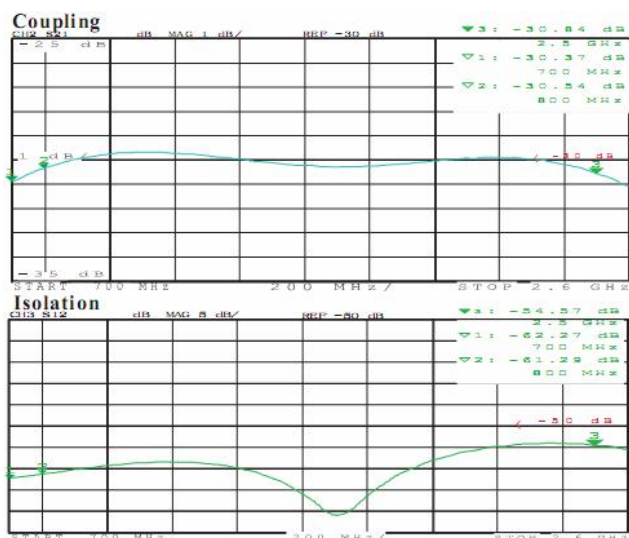
Fax: +86-25-85569295

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HERMERCS

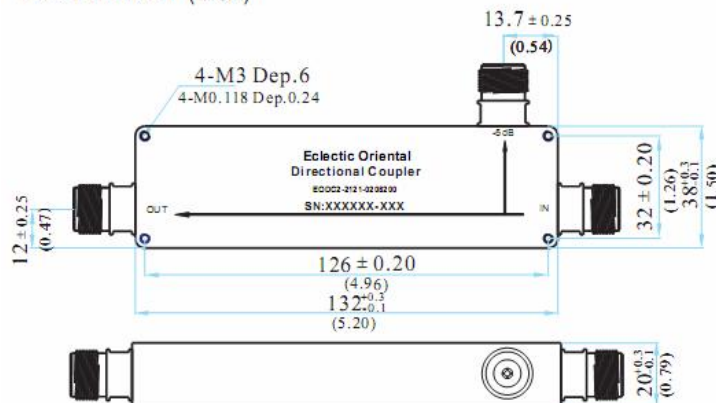
TYPICAL PLOT



FEATURES

- ❖ N-Female connector
- ❖ Adopting Slab Line Structure for Circuit
- ❖ Low Insertion Loss
- ❖ High Directivity
- ❖ High Power Handling
- ❖ Broadband
- ❖ Inner Termination

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



SPECIFICATIONS

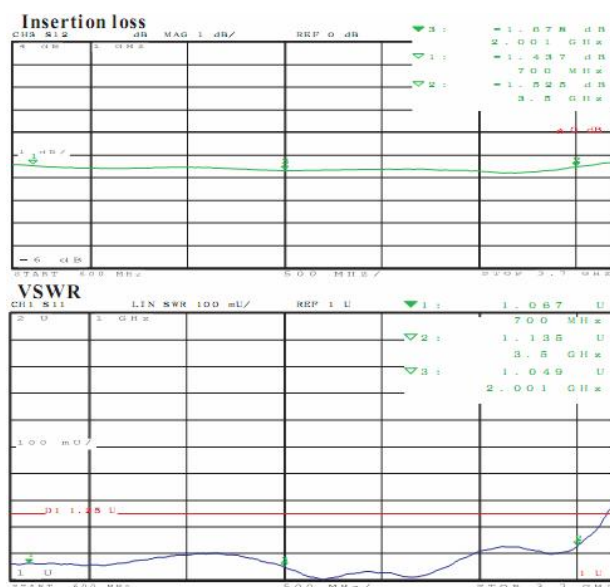
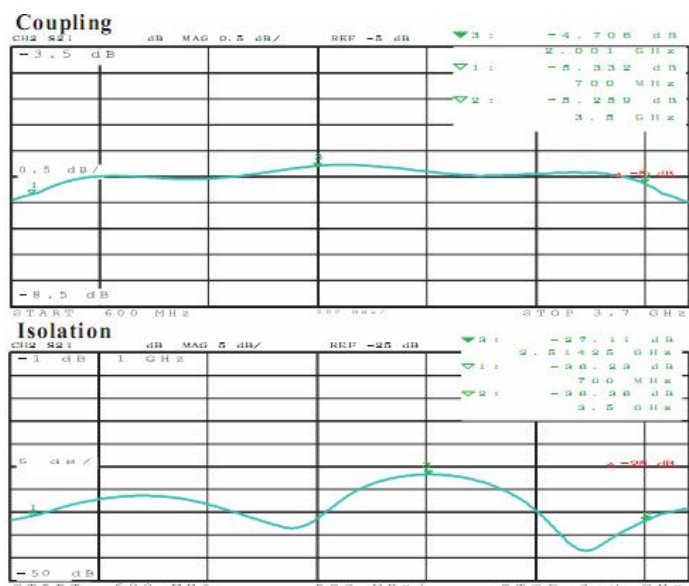
Frequency Range	Insertion Loss	Coupling	VSWR	Directivity
0.8-3.5GHz	0.4dB	5±0.5dB	1.25	20dB
Frequency Sensitivity	Connector	Power Handling	Working Temperature	Storage Temperature
±0.5dB	N-F	200W	-20~+70℃	-40~+70℃

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

Multi-Octave Band Directional Couplers For Communication

TYPICAL PLOT

HERMERCs

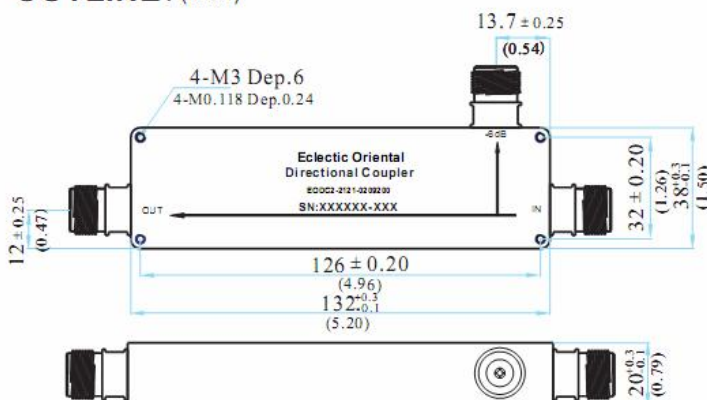


P/N: EODC2-2121-0209200

FEATURES

- ❖ N-Female connector
- ❖ Adopting Slab Line Structure for Circuit
- ❖ Low Insertion Loss
- ❖ High Directivity
- ❖ High Power Handling
- ❖ Broadband
- ❖ Inner Termination

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



SPECIFICATIONS

Frequency Range	Insertion Loss	Coupling	VSWR	Directivity
0.8-3.5GHz	0.4dB	6±0.5dB	1.25	20dB
Frequency Sensitivity	Connector	Power Handling	Working Temperature	Storage Temperature
±0.5dB	N-F	200W	-20~+70℃	-40~+70℃

Note 1. It is designed for wireless communication and mainly used for communication BTS , repeaters of GSM,CDMA and WCDMA bands.

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

Hermercs

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Fax: +86-25-85569295

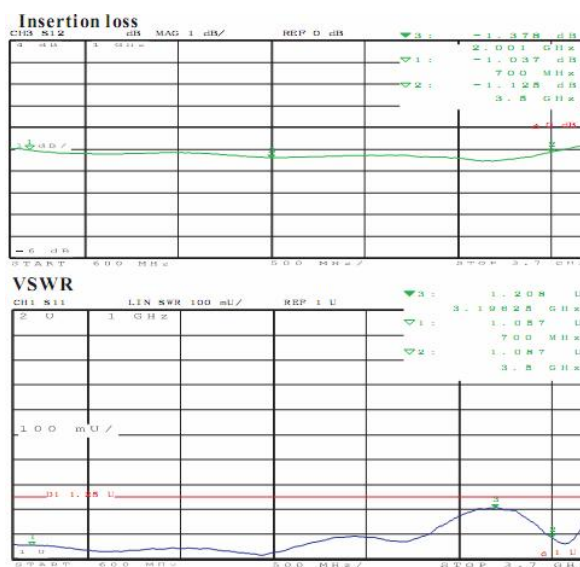
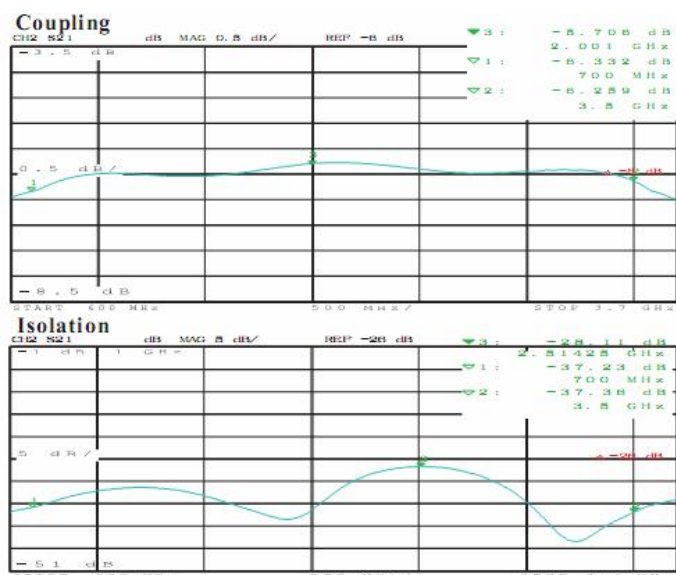
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E-mail: sales@hermercs.com

Multi-Octave Band Directional Couplers For Communication

TYPICAL PLOT

HERMERCs

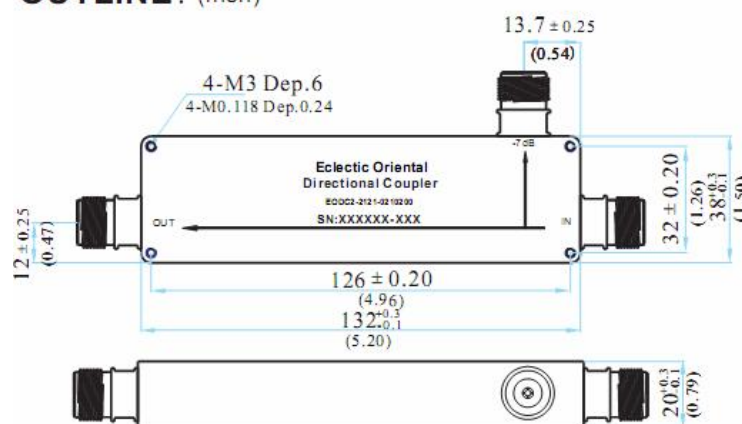


P/N: EODC2-2121-0210200

FEATURES

- ❖ N-Female connector
- ❖ Adopting Slab Line Structure for Circuit
- ❖ Low Insertion Loss
- ❖ High Directivity
- ❖ High Power Handling
- ❖ Broadband
- ❖ Inner Termination

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



SPECIFICATIONS

Frequency Range	Insertion Loss	Coupling	VSWR	Directivity
0.8-3.5GHz	0.4dB	7±0.5dB	1.25	20dB
Frequency Sensitivity	Connector	Power Handling	Working Temperature	Storage Temperature
±0.5dB	N-F	200W	-20~+70℃	-40~+70℃

Note 1. It is designed for wireless communication and mainly used for communication BTS ,repeaters of GSM,CDMA and WCDMA bands.

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

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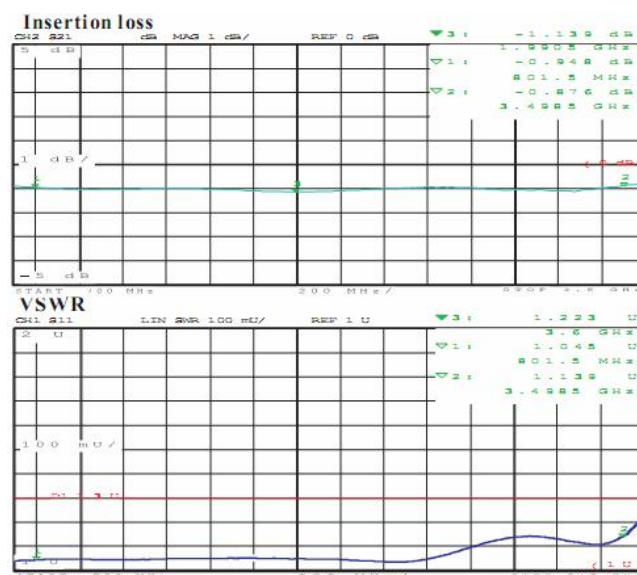
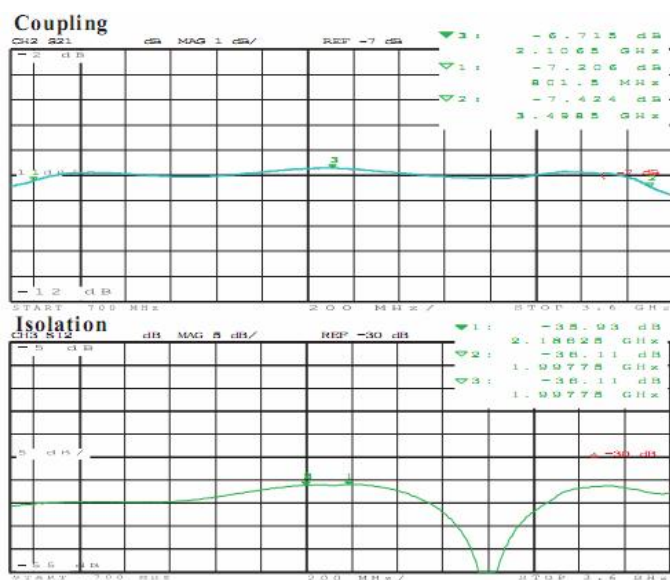
Web Site: www.hermercs.com

E-mail: sales@hermercs.com

Multi-Octave Band Directional Couplers For Communication

HERMERCs

TYPICAL PL



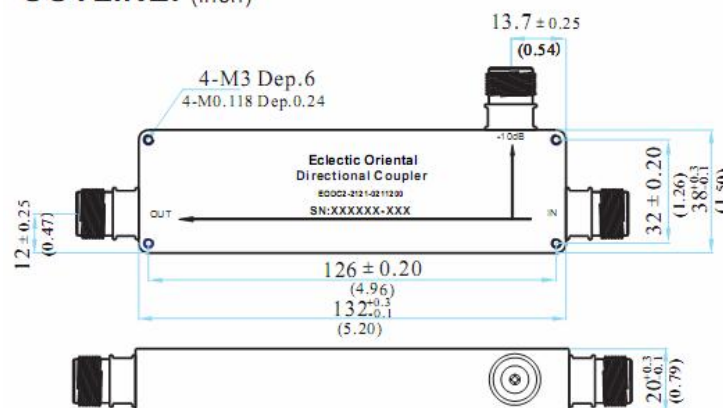
P/N: EODC2-2121-0211200

FEATURES

- ❖ N-Female connector
- ❖ Adopting Slab Line Structure for Circuit
- ❖ Low Insertion Loss
- ❖ High Directivity
- ❖ High Power Handling
- ❖ Broadband
- ❖ Inner Termination

SPECIFICATIONS

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



Frequency Range	Insertion Loss	Coupling	VSWR	Directivity
0.8-3.5GHz	0.4dB	10±0.8dB	1.25	20dB
Frequency Sensitivity	Connector	Power Handling	Working Temperature	Storage Temperature
±0.7dB	N-F	200W	-20~+70℃	-40~+70℃

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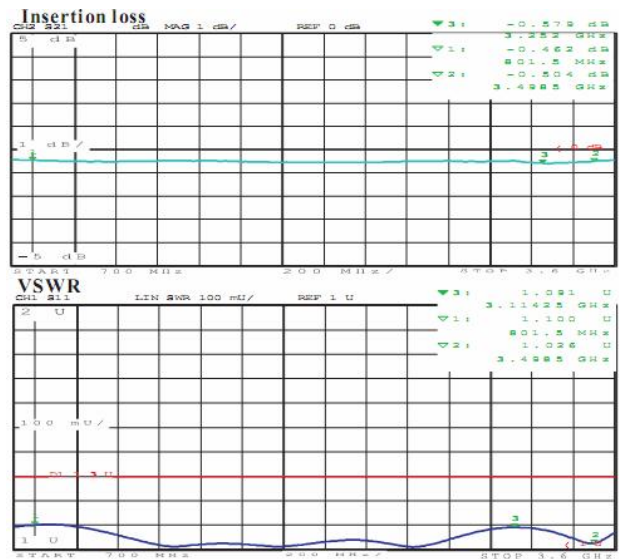
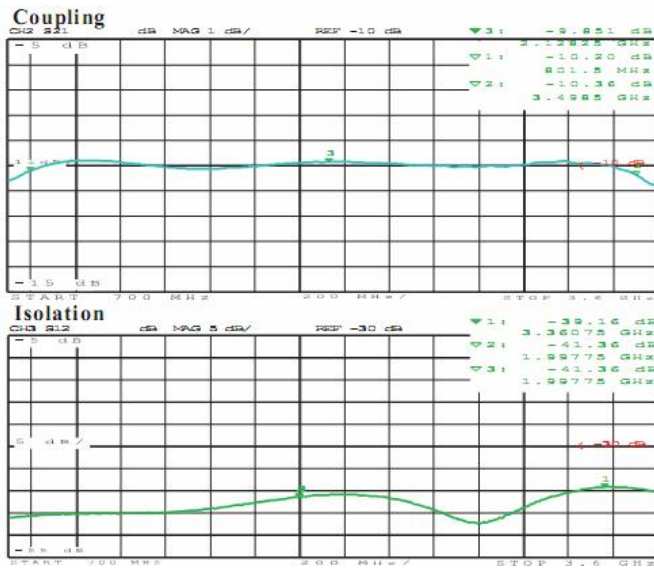
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Multi-Octave Band Directional Couplers For Communication

TYPICAL PLOT



P/N: EODC2-2121-0212200

FEATURES

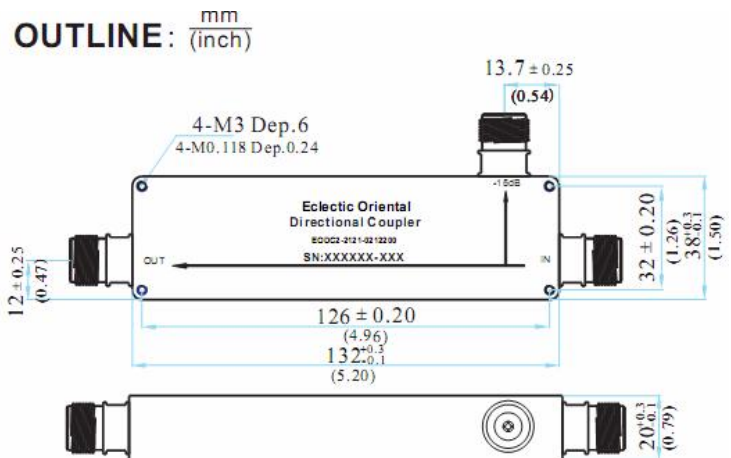
- ❖ N-Female connector
- ❖ Adopting Slab Line Structure for Circuit
- ❖ Low Insertion Loss
- ❖ High Directivity
- ❖ High Power Handling
- ❖ Broadband
- ❖ Inner Termination

SPECIFICATIONS

Frequency Range	Insertion Loss	Coupling	VSWR	Directivity
0.8-3.5GHz	0.3dB	15±0.8dB	1.25	20dB
Frequency Sensitivity	Connector	Power Handling	Working Temperature	Storage Temperature
±0.7dB	N-F	200W	-20~+70℃	-40~+70℃

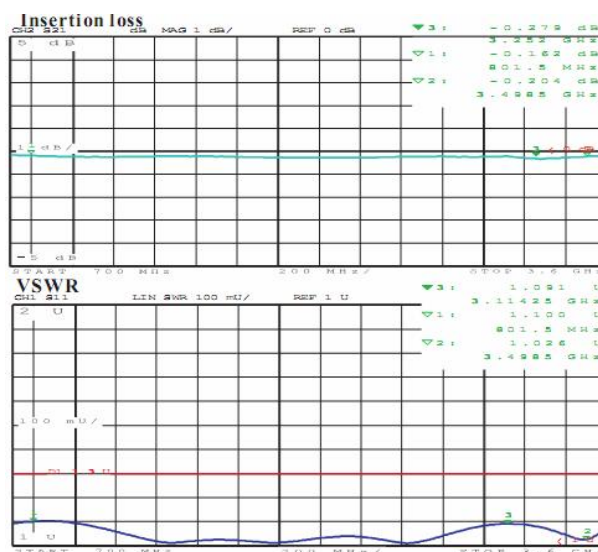
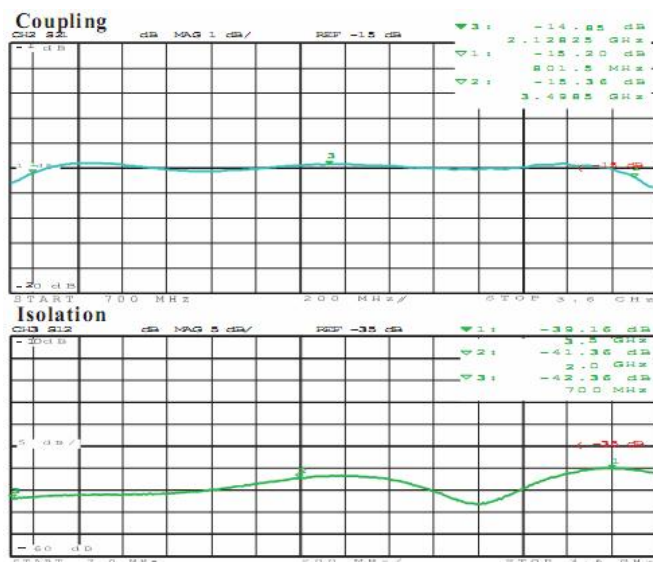
Note 1. It is designed for wireless communication and mainly used for communication BTS , repeaters of GSM,CDMA and WCDMA bands.

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



Multi-Octave Band Directional Couplers For Communication

TYPICAL PLOT

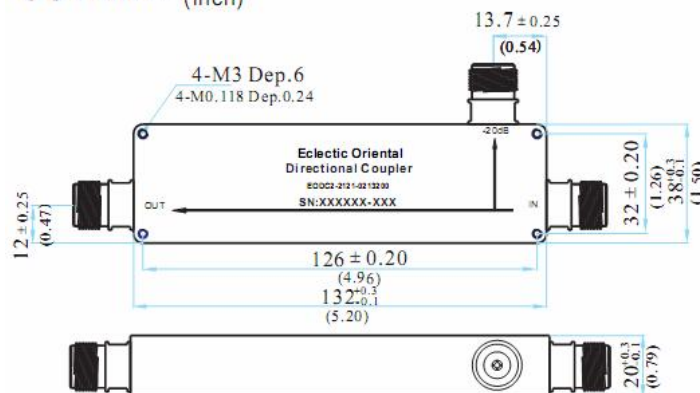


P/N: EODC2-2121-0213200

FEATURES

- ❖ N-Female connector
- ❖ Adopting Slab Line Structure for Circuit
- ❖ Low Insertion Loss
- ❖ High Directivity
- ❖ High Power Handling
- ❖ Broadband
- ❖ Inner Termination

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



SPECIFICATIONS

Frequency Range	Insertion Loss	Coupling	VSWR	Directivity
0.8-3.5GHz	0.3dB	20±1.0dB	1.25	20dB
Frequency Sensitivity	Connector	Power Handling	Working Temperature	Storage Temperature
±0.7dB	N-F	200W	-20~+70℃	-40~+70℃

Note 1. It is designed for wireless communication and mainly used for communication BTS , repeaters of GSM,CDMA and WCDMA bands.

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

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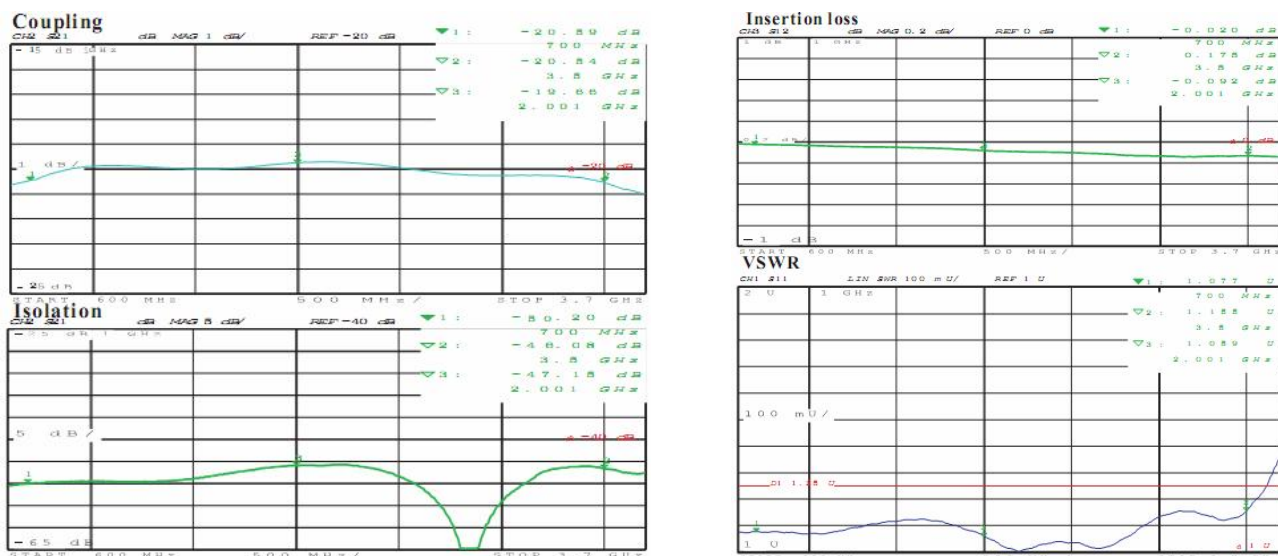
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Multi-Octave Band Directional Couplers For Communication

TYPICAL PLOT

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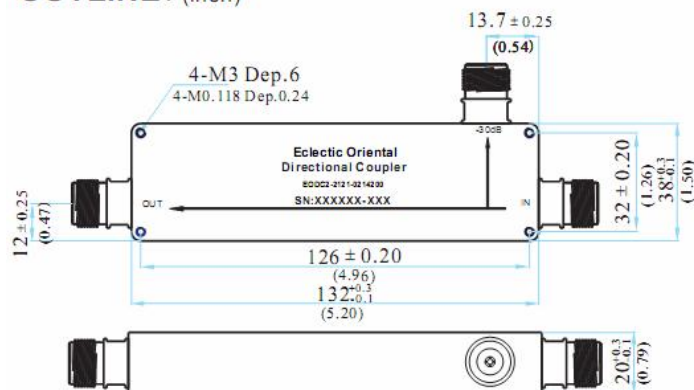


P/N: EODC2-2121-0214200

FEATURES

- ❖ N-Female connector
- ❖ Adopting Slab Line Structure for Circuit
- ❖ Low Insertion Loss
- ❖ High Directivity
- ❖ High Power Handling
- ❖ Broadband
- ❖ Inner Termination

OUTLINE: mm
(inch)



SPECIFICATIONS

Frequency Range	Insertion Loss	Coupling	VSWR	Directivity
0.8-3.5GHz	0.3dB	30±1.0dB	1.25	20dB
Frequency Sensitivity	Connector	Power Handling	Working Temperature	Storage Temperature
±0.7dB	N-F	200W	-20~+70℃	-40~+70℃

Note 1. It is designed for wireless communication and mainly used for communication BTS , repeaters of GSM,CDMA and WCDMA bands.

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

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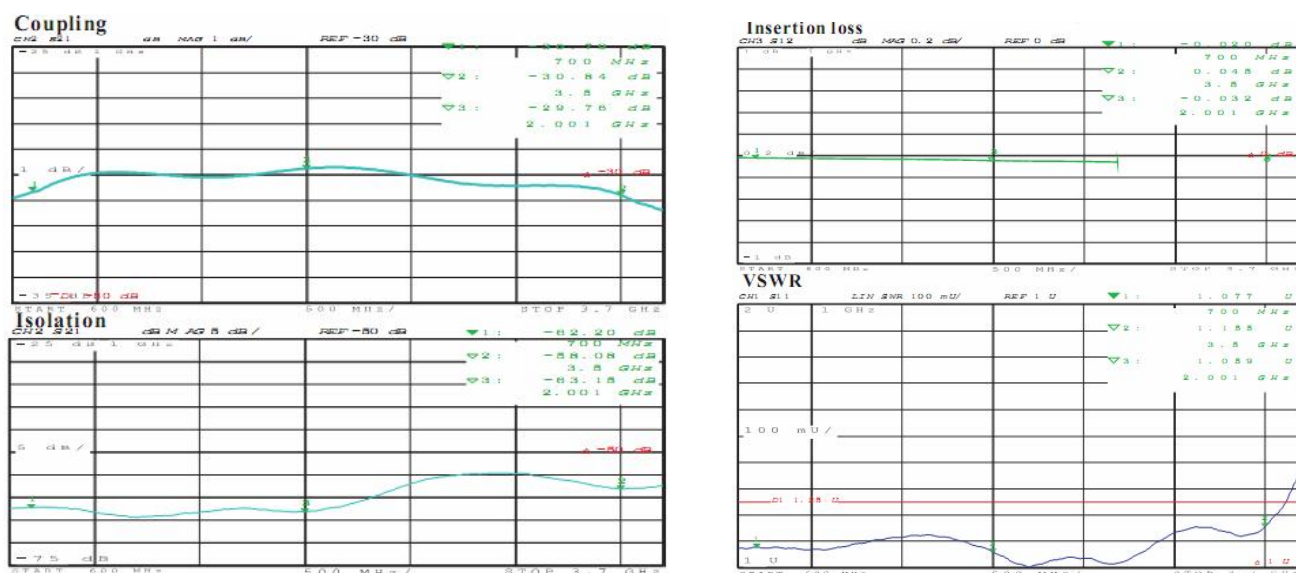
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Multi-Octave Band Directional Couplers For Communication

TYPICAL PLOT



Other Types of Directional Couplers For Communication (N Type Connector)

FEATURES

- ❖ N-Female connector
- ❖ Adopting Strip Line Structure for Circuit
- ❖ Low Insertion Loss
- ❖ High Isolation
- ❖ High Power Handling
- ❖ Broadband
- ❖ Inner Termination

SPECIFICATIONS

Part Number	Freq. Range	Coupling	Insertion Loss	VSWR	Frequency Sensitivity	Directivity
EODC1-2121-020860	0.8-4.0GHz	5±0.5dB	0.5dB	1.30	±0.7dB	20dB
EODC1-2121-020960	0.8-4.0GHz	6±0.5dB	0.5dB	1.30	±0.7dB	20dB
EODC1-2121-021060	0.8-4.0GHz	7±0.5dB	0.5dB	1.30	±0.7dB	20dB
EODC1-2121-021160	0.8-4.0GHz	10±1.0dB	0.5dB	1.30	±0.7dB	20dB
EODC1-2121-021260	0.8-4.0GHz	15±1.0dB	0.5dB	1.30	±0.7dB	20dB
EODC1-2121-021360	0.8-4.0GHz	20±1.0dB	0.5dB	1.30	±0.7dB	18dB
EODC1-2121-021460	0.8-4.0GHz	30±1.0dB	0.5dB	1.30	±0.7dB	18dB
EODC1-2121-050160	2.0-8.0GHz	10±1.0dB	0.6dB	1.30	±0.7dB	20dB
EODC1-2121-050260	2.0-8.0GHz	20±1.0dB	0.6dB	1.30	±0.7dB	18dB
EODC1-2121-050360	2.0-8.0GHz	30±1.0dB	0.6dB	1.30	±0.7dB	18dB

Note 1. It is designed for wireless communication and mainly used for communication BTS and repeaters of GSM,CDMA and WCDMA bands.

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Customer Focused Value Delivered
Growth Synergic Innovation Driven

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