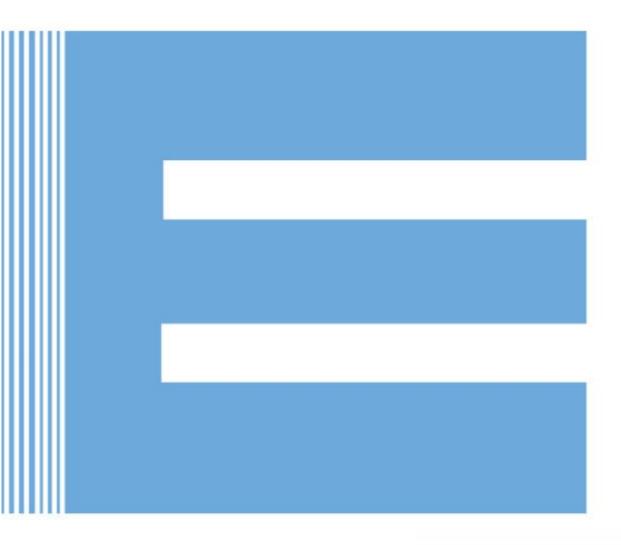
H-C

HERMERCS









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 ISO9001/ management systems as the 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.

Tel: 86-25-85490880 Fax: +86-25-85569295
Web Site: www.hermercs.com E-mail: sales@hermercs.com



INDEX

Directional Coupler	
Directional Coupler For Communication	-26



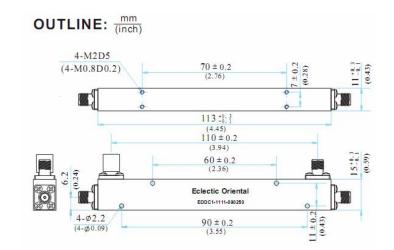
1

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

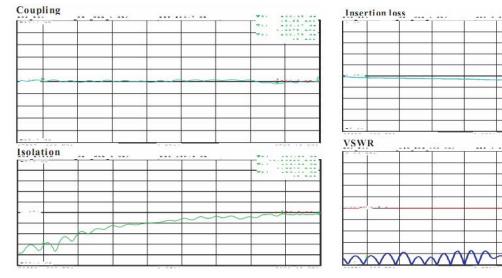
SPECIFICATIONS



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

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

Web Site: www.hermercs.com

E-mail: sales@hermercs.com



FEATURES

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

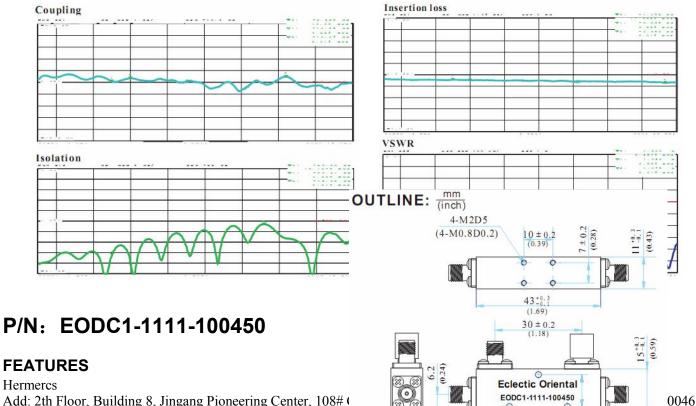
SPECIFICATIONS

OUTLIN	IE: mm (inch)			
	4-M2D5 (4-M0.8D0.2)	38 ± 0.2 (1.50)	7 ± 0.2 (0.28)	11+0.3
		0-	0	
		73 ⁺⁰ . 3 (2.87)		-
		60 ± 0.2 (2.36)	-	5-0.1 (0.59)
	(0.24)	29 ± 0.2 (1.14)		- T =
		Eclectic Oriental EODC1-1111-100150	0	
	4-Ø2.2 (4-Ø0.09)	50 ± 0.2 (1.97)	1 ± 0.2 (0.43)	
88	4-ø2.2	50 ± 0.2		IP-

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



FEATURES

Hermercs

Add: 2th Floor, Building 8, Jingang Pioneering Center, 108# (Tel: 86-25-85490880 Fax: +86-25-855692 Web Site: www.hermercs.com E-mail: sales@herm

2

 20 ± 0.2 (0.79)



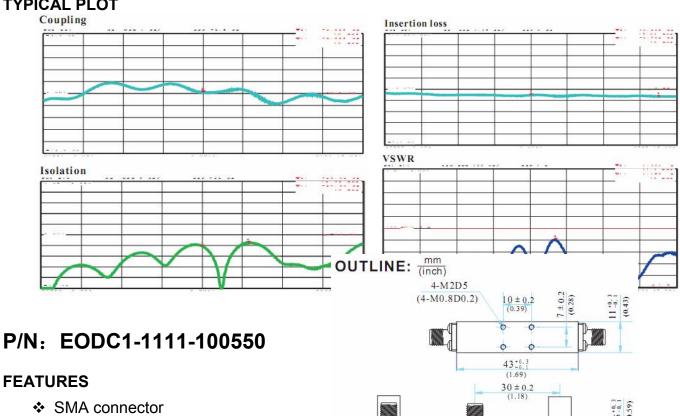
- SMA connector
- Adopting Strip Line on Circuit
- Low Insertion Loss
- High Directivity
- High Power Handling
- Broadband
- ❖ Interior Located Termination

SPECIFICATIONS

Frequency Range	Insertion Loss	Coupling	VSWR	Directivity
2-18GHz	0.7dB	10±1dB	1.5	12dB
Frequency	Connector	Power Handling	Working	Storage
Sensitivity			Temperature	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



Hermercs

Add: 2th Floor, Building 8, Jingang Pioneering Center, 10 Tel: 86-25-85490880 Fax: +86-25-8550

Web Site: www.hermercs.com

E-mail: sales@he

ıa, 210046

Eclectic Oriental

EODC1-1111-100550

 20 ± 0.2 (0.79)



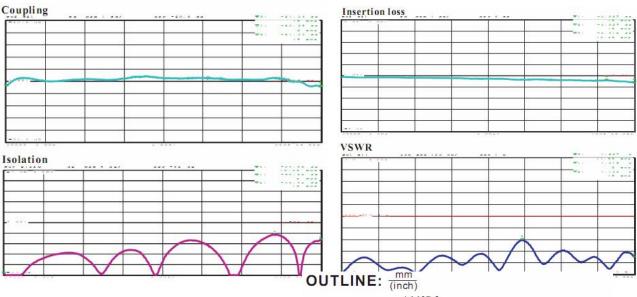
- Adopting Strip Line on Circuit
- Low Insertion Loss
- High Directivity
- High Power Handling
- Broadband
- ❖ Interior Located Termination

SPECIFICATIONS

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



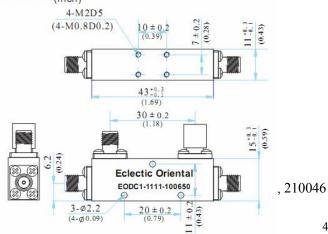
P/N: EODC1-1111-100650

FEATURES

- SMA connector
- ❖ Adopting Strip Line on Circuit

Hermercs

Add: 2th Floor, Building 8, Jingang Pioneering Center, 108 Tel: 86-25-85490880 Fax: +86-25-8556 Web Site: www.hermercs.com E-mail: sales@hei





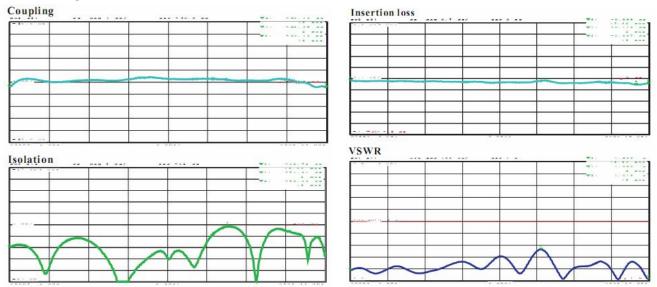
- Low Insertion Loss
- High Directivity
- High Power Handling
- Broadband
- Interior Located Termination

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

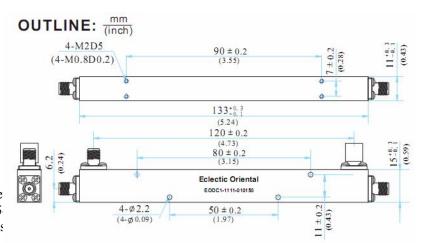
FEATURES

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

Hermercs

Add: 2th Floor, Building 8, Jingang Pioneering Cente Tel: 86-25-85490880 Fax: +86-25

Web Site: www.hermercs.com E-mail: sales





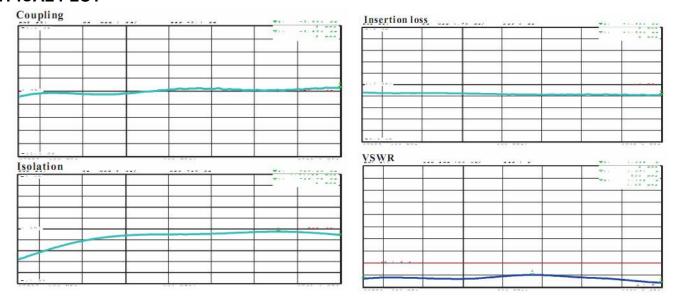
- High Directivity
- High Power Handling
- Broadband
- ❖ Interior Located Termination

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°C	-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



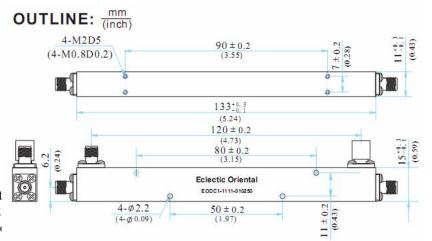
P/N: EODC1-1111-010250

FEATURES

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

Hermercs

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





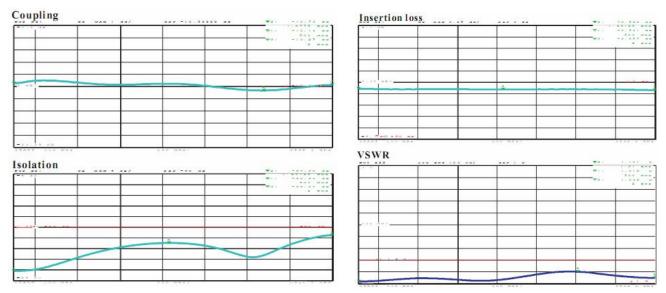
- High Power Handling
- Broadband
- Interior Located Termination

SPECIFICATIONS

	Frequency Range	Insertion Loss	Coupling	VSWR	Directivity
	0.5-2GHz	0.5dB	10±1dB	1.2	20dB
	Frequency	Connector	Power Handling	Working	Storage
- 1	Sensitivity			Temperature	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

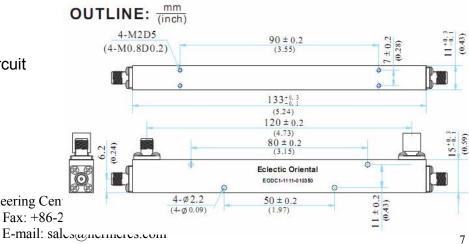
FEATURES

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

Hermercs

Add: 2th Floor, Building 8, Jingang Pioneering Cen-Tel: 86-25-85490880 Fax: +86-2

Web Site: www.hermercs.com





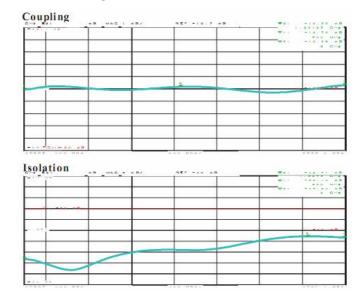
- Broadband
- ❖ Interior Located Termination

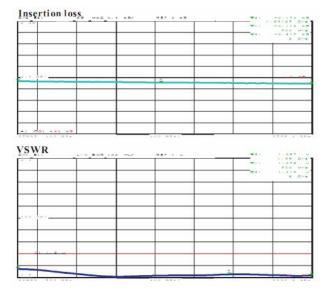
SPECIFICATIONS

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: $\frac{mm}{(inch)}$ 4-M2D5 (4-M0.8D0.2) 133:0.3 (5.24) 120 ± 0.2 (4.73) 80 ± 0.2 (4.73) 80 ± 0.2 (3.15) Eclectic Oriental EDOC:-11111-010450 4- \emptyset 2.2 (4- \emptyset 0.09) (1.97) \emptyset $\widehat{\emptyset}$ $\widehat{$

Hermercs

Add: 2th Floor, Building 8, Jingang Pioneering Cent

Tel: 86-25-85490880 Fax: +86-25-85569295
Web Site: www.hermercs.com E-mail: sales@hermercs.com



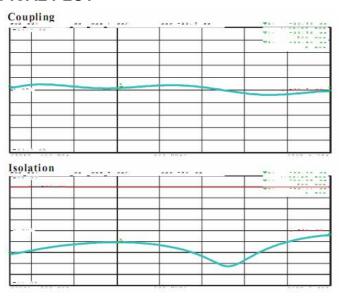
Interior Located Termination

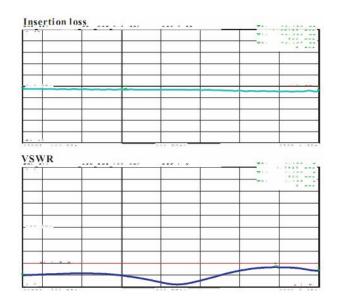
SPECIFICATIONS

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

Hermercs

Add: 2th Floor, Building 8, Jingang Pioneering Celici, 100# Ganjiaolan dong, Vixia Dist, Ivanjing, Jiangsu ,Cinid, 210046 Tel: 86-25-85490880 Fax: +86-25-85569295

Tel: 86-25-85490880 Web Site: www.hermercs.com

E-mail: sales@hermercs.com

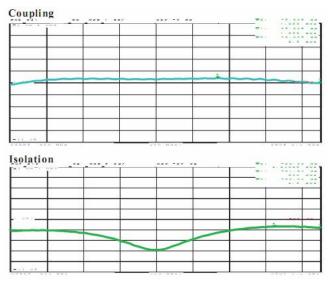


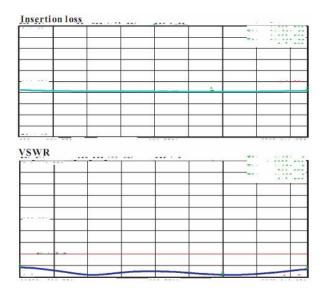
SPECIFICATIONS

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

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 Web Site: www.hermercs.com E-mail: sales@hermerc

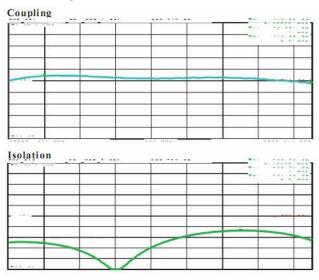
10

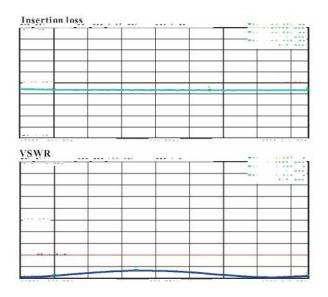


Frequency Range	Insertion Loss	Coupling	VSWR	Directivity
0.8-2.5GHz	0.5dB	10±1dB	1.2	20dB
Frequency Sensitivity	Connector	Power Handling	Working Temperature	Storage Temperature
±0.7dB	SMA-F	50W	-55~+85℃	-55~+100℃

- 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



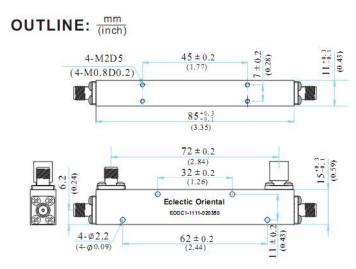


P/N: EODC1-1111-020350

FEATURES

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

SPECIFICATIONS



Frequency	Insertion Loss	Coupling	VSWR	Directivity
Range				

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 Web Site: www.hermercs.com E-mail: sales@hermerc

E-mail: sales@hermercs.com

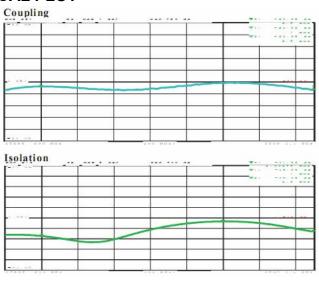
11

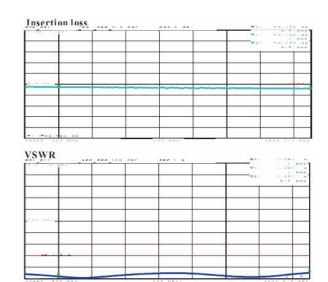


0.8-2.5GHz	0.4dB	20±1dB	1.2	20dB
Frequency Sensitivity	Connector	Power Handling	Working Temperature	Storage Temperature
±0.7dB	SMA-F	50W	-55~+85℃	-55~+100℃

- 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

SPECIFICATIONS

4-M2D5 (4-M0.8D0.2	45 ± 0.2 (1.77)	7 ± 0.2 (0.28)	11 -18.3
	0	•	R
	85+0.3	Ψ	_ HV _ /
	(3.35)		
	72 ± 0.2 (2.84)	-	1 226
5.2			15 ^{+0.3} (0.59)
6.2	(2.84) 32 ± 0.2	± 6.2 0	15 +0.3

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

Hermercs

Web Site: www.hermercs.com

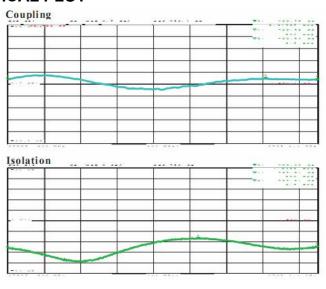
E-mail: sales@hermercs.com

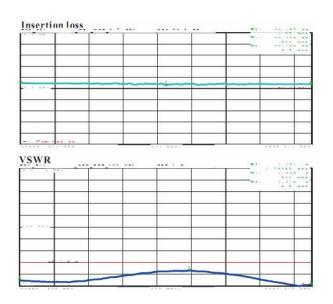


Frequency	Connector	Power Handling	Working	Storage
Sensitivity			Temperature	Temperature
±0.7dB	SMA-F	50W	-55~+85℃	-55~+100℃

- 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



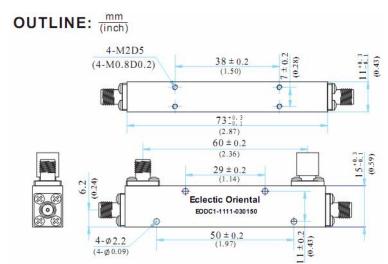


P/N: EODC1-1111-030150

FEATURES

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

SPECIFICATIONS



13

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

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

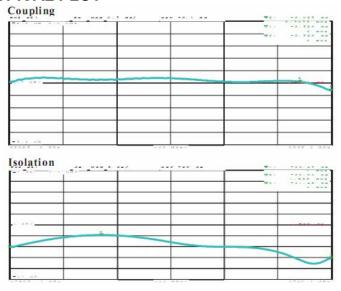
Web Site: www.hermercs.com E-mail: sales@hermercs.com

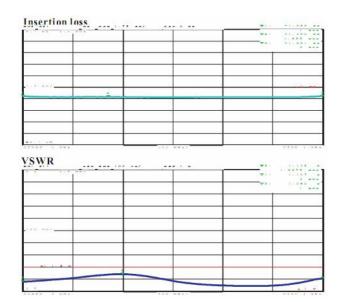


±0.7dB SMA-F 50W -55~+85℃ -55~+100℃

- 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 .

TYPICAL PLOT





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

SPECIFICATIONS

OUTLINE: (inch)		724	
(4-M0.8D0.2)	38 ± 0.2 (1.50)	7 ± 0.2 (0.28)	(0.43)
	0		
-	73 ⁺⁰ ·3 (2.87)	-	
	60 ± 0.2		
2/3	(2.36) 29 ± 0.2 (1.14)		15 ^{+0.3} (0.59)
6.24	Eclectic Oriental	•	
4-Ø2.2 (4-Ø0.09)	50 ± 0.2 (1.97)	1 ± 0.2 (0.43)	1

Frequency	Insertion Loss	Coupling	VSWR	Directivity
Range				
1-4GHz	0.5dB	10±1dB	1.2	20dB
Frequency	Connector	Power Handling	Working	Storage
Sensitivity			Temperature	Temperature
±0.7dB	SMA-F	50W	-55~+85°C	-55~+100℃

Hermercs

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

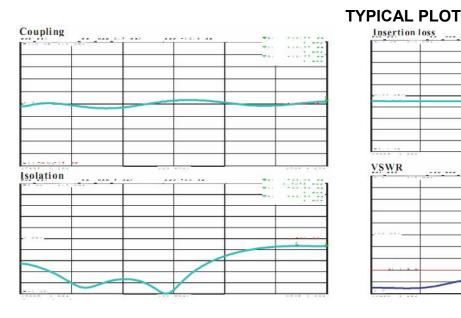
Tel: 86-25-85490880 Fax: +86-25-85569295 Web Site: www.hermercs.com E-mail: sales@hermerc

E-mail: sales@hermercs.com

14



- 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.



Insertion loss VSWR

 38 ± 0.2

15

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

73-0.1 (2.87) 60 ± 0.2 (2.36) 29 ± 0.2 **Eclectic Oriental** EODC1-1111-030350 50 ± 0.2 (1.97)**SPECIFICATIONS** 4-Ø2.2 (4-Ø0.09)

OUTLINE: mm (inch)

(4-M0.8D0.2)

Frequency Range	Insertion Loss	Coupling	VSWR	Directivity
1-4GHz	0.4dB	20±1dB	1.2	20dB
Frequency	Connector	Power Handling	Working	Storage
Sensitivity			Temperature	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.

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

Web Site: www.hermercs.com E-mail: sales@hermercs.com

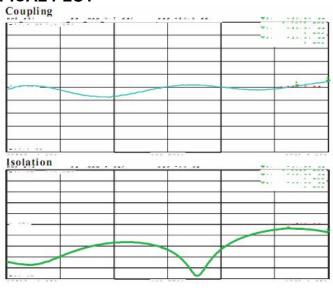


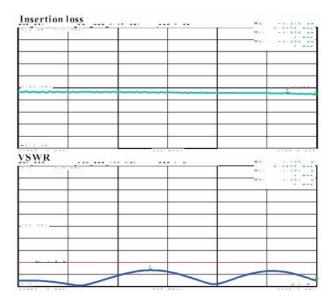
16

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

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℃

OUTLINE: mm (inch)

- 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 .

Hermercs

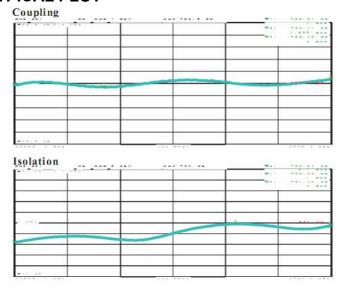
Add: 2th Floor, Building 8, Jingang Pioneering Center, 108# Ganjiabian dong, Qixia Dist, Nanjing, Jiangsu ,China, 210046

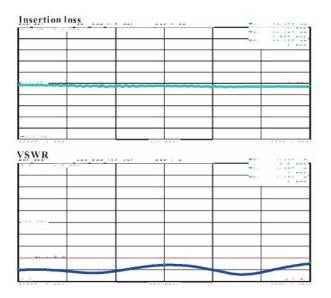
Tel: 86-25-85490880 Fax: +86-25-85569295

Web Site: www.hermercs.com E-mail: sales@hermercs.com



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: mm (inch)
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
(4-M0.8D0.2)
43±0.3 (1.69)
30 ± 0.2 (1.18)
15:48
Eclectic Oriental
80DC1-1111-050150 3-\phi 2.2
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$

۰	Frequency Range	Insertion Loss	Coupling	VSWR	Directivity
	2-8GHz	0.5dB	6±1dB	1.2	20dB
	Frequency	Connector	Power Handling	Working	Storage
	Sensitivity		.	Temperature	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 .

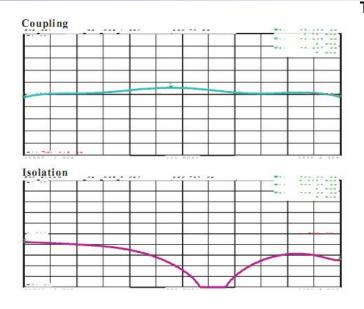
Hermercs

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
Web Site: www.hermercs.com E-mail: sales@hermercs.com

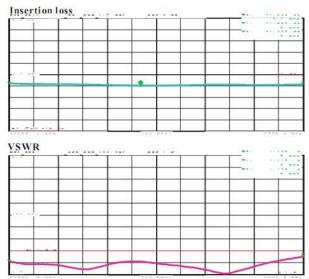
17





TYPICAL PLOT

OUTLINE: mm (inch)



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

43^{+0, 3} (1.69) 30 ± 0.2 (1.18) Eclectic Oriental BODC1-1111-050250 3-\$\phi 2.2\$ (0.79) (0.79)

4-M2D5

(4-M0.8D0.2)

SPECIFICATIONS

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

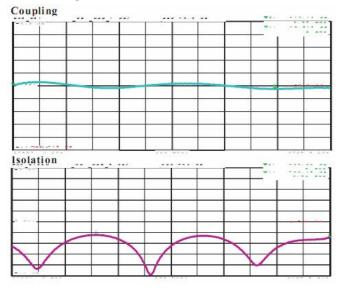
- Note 1. It mainly is used for radar, communication, satellite communication, navigation, measuring and testing fields, sampling and monitoring signal and splitting and combining uneven power.
- Note 2. There are diverse coupling at choice.
- Note 3. This is Hermercs standard product and can be customized .

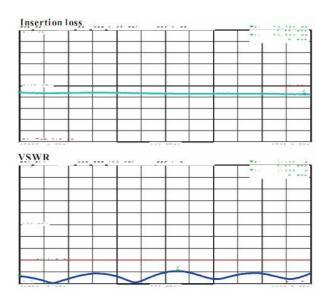
Hermercs

Tel: 86-25-85490880 Fax: +86-25-85569295
Web Site: www.hermercs.com E-mail: sales@hermercs.com



TYPICAL PLOT





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

OUTLINE: $\frac{mm}{(inch)}$ 4-M2D5 (4-M0.8D0.2) 10 ± 0.2 (0.39) 43: 0.3 (1.69) 30 ± 0.2 (1.18) Eclectic Oriental BDDC1-1111-050350 3- ϕ 2.2 (3- ϕ 0.09) 20 ± 0.2 (0.79) 10 ± 0.2 20 ± 0

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°C	-55~+100°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 .

Hermercs

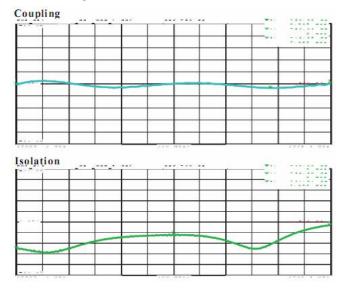
Tel: 86-25-85490880 Fax: +86-25-85569295 Web Site: www.hermercs.com E-mail: sales@hermerc

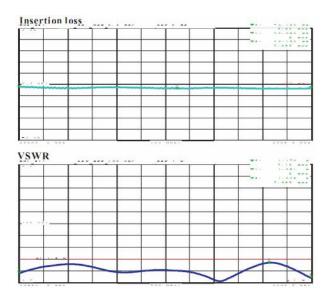
19



20

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

OUTLINE: $\frac{mm}{(inch)}$ 4-M2D5 (4-M0.8D0.2) 10 ± 0.2 0.39

SPECIFICATIONS

Frequency Range	Insertion Loss	Coupling	VSWR	Directivity
2-8GHz	0.4dB	30±1dB	1.2	20dB
Frequency	Connector	Power Handling	Working	Storage
Sensitivity			Temperature	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 .

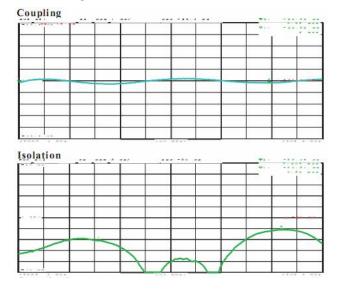
Hermercs

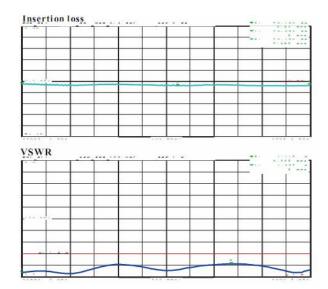
Tel: 86-25-85490880 Fax: +86-25-85569295 Web Site: www.hermercs.com E-mail: sales@hermerc



21

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

SPECIFICATIONS

OUTLINE: m	m ch)				
	4-M2D: (4-M0.8D0		7 ± 0.2 (0.28)	1 + 0 . 3	(0.43)
		0			
		(1.3	0)		
		20 ± (0.7	9)	5+6.3	(0.59)
	(0.24)	Eclectic (-
<u>8</u>	1 3 ± ((0.51	0.2	2 (0.079)		-
	2-Ø2.2 (2-Ø0.09)		5		

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

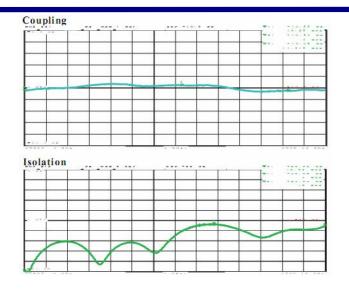
Add: 2th Floor, Building 8, Jingang Pioneering Center, 108# Ganjiabian dong, Qixia Dist, Nanjing, Jiangsu ,China, 210046

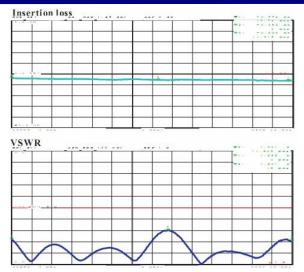
Tel: 86-25-85490880 Fax: +86-25-85569295 Web Site: www.hermercs.com E-mail: sales@hermerc

om E-mail: sales@hermercs.com



22





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

SPECIFICATIONS

OUTLINE: note:	nm nch)	
	4-M2D5 (4-M0.8D0.2)	7 ± 0.2 (0.28) 111 ± 0.3 (0.43)
	3:	3 - 0. 3
	(1.30) 0.2 0.79)
	6.2 6.24)	15-0.59)
		c Oriental
	2-\psi_2.2 (2-\psi_0.09)	(0.079)

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

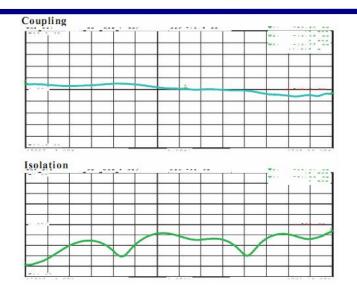
Add: 2th Floor, Building 8, Jingang Pioneering Center, 108# Ganjiabian dong, Qixia Dist, Nanjing, Jiangsu ,China, 210046

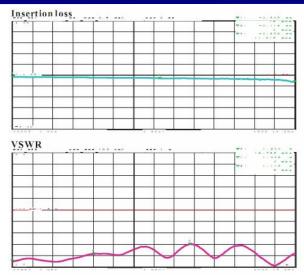
Tel: 86-25-85490880 Fax: +86-25-85569295

Web Site: www.hermercs.com E-mail: sales@hermercs.com



23



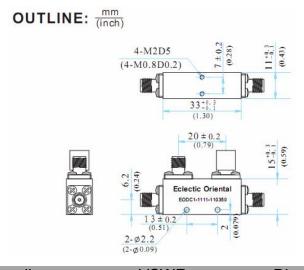


P/N: EODC1-1111-110350

FEATURES

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

SPECIFICATIONS



ı	Frequency Range	Insertion Loss	Coupling	VSWR	Directivity	
	4-18GHz	0.6dB	30±1dB	1.5	12dB	
1	Frequency	Connector	Power Handling	Working	Storage	
1	Sensitivity			Temperature	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

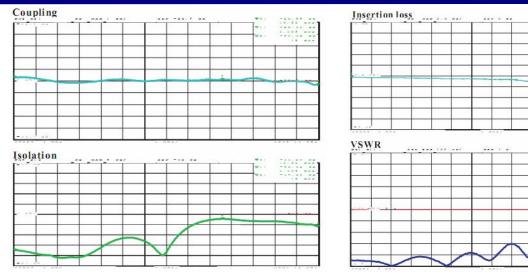
Hermercs

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.hermercs.com E-mail: sales@hermercs.com





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	Freq.	Coupling	Insertion	VSWR	Frequency	Directivity
Number	Range		Loss		Sensitivity	
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 .

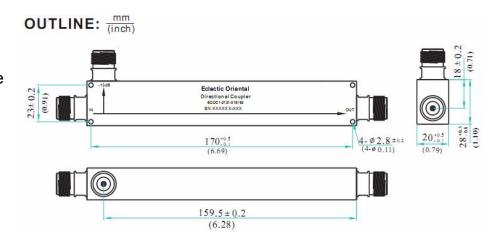
Tel: 86-25-85490880 Fax: +86-25-85569295
Web Site: www.hermercs.com E-mail: sales@hermercs.com



P/N: EODC1-2121-010160

FEATURES

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

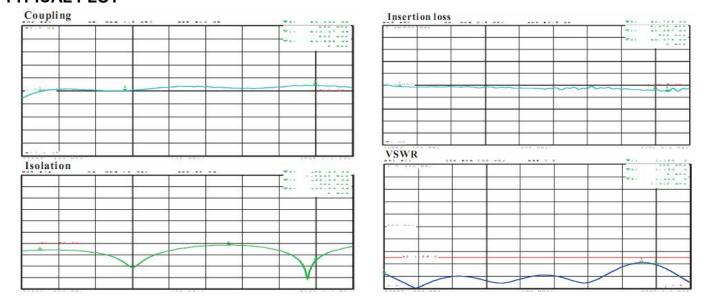


SPECIFICATIONS

Frequency Range	Insertion Loss	Coupling	VSWR	Directivity
0.5-2.0GHz	0.5dB	10±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: EODC1-2121-010260

Hermercs

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

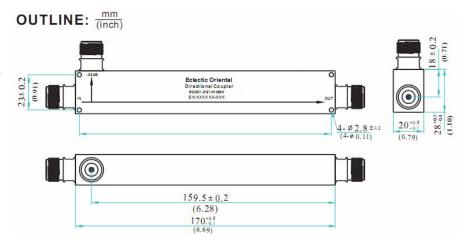
Tel: 86-25-85490880 Fax: +86-25-85569295 Web Site: www.hermercs.com

E-mail: sales@hermercs.com

HERMERCS

FEATURES

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

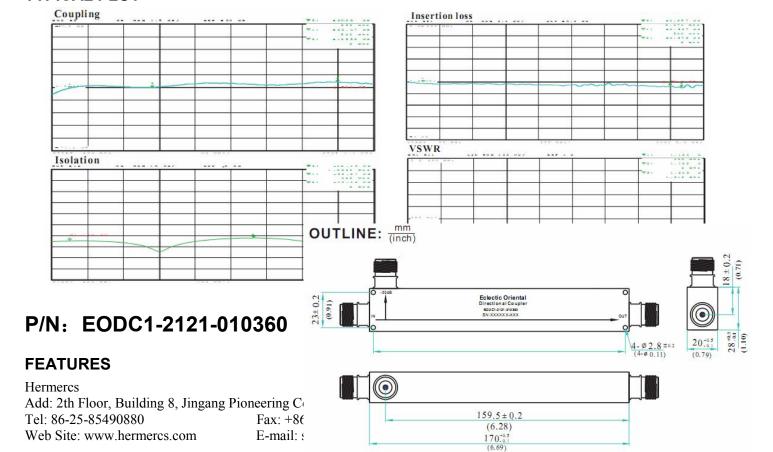


SPECIFICATIONS

Frequency Range	Insertion Loss	Coupling	VSWR	Directivity
0.5-2.0GHz	0.4dB	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





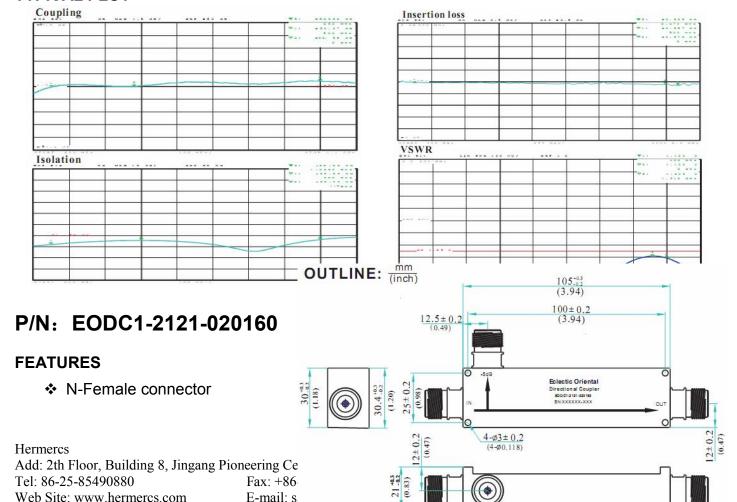
- N-Female connector
- Adopting Strip Line Structure for Circuit
- Low Insertion Loss
- High Isolation
- High Power Handling
- Broadband
- ❖ Inner Termination

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





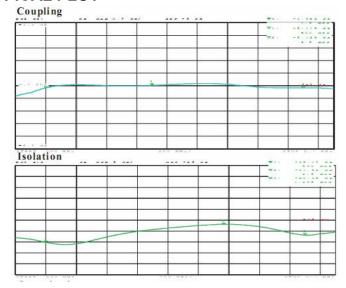
- Adopting Strip Line Structure for Circuit
- ❖ Low Insertion Loss
- High Isolation
- High Power Handling
- Broadband
- Inner Termination

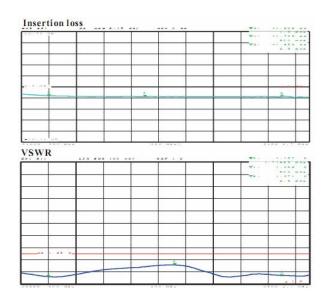
SPECIFICATIONS

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°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





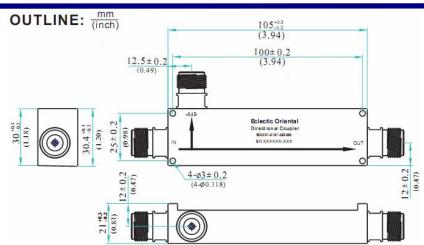
P/N: EODC1-2121-020260

Tel: 86-25-85490880 Web Site: www.hermercs.com

HERMERCS

FEATURES

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

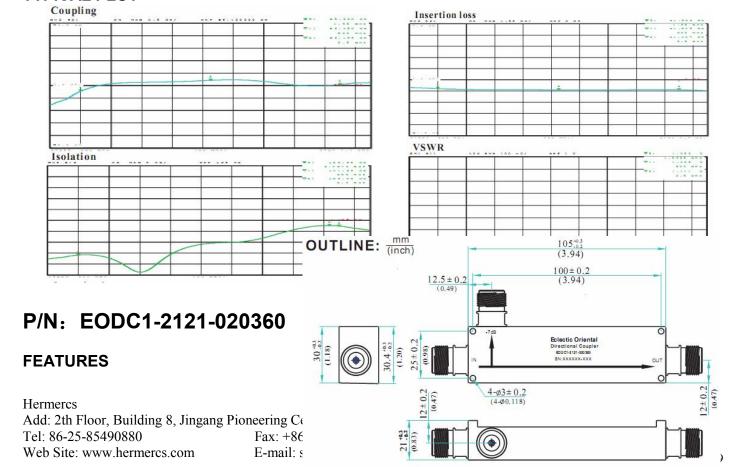


SPECIFICATIONS

Frequency Range	Insertion Loss	Coupling	VSWR	Directivity
0.8-2.5GHz	0.5dB	6±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





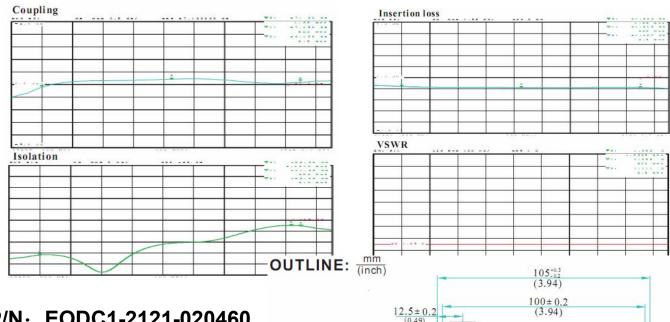
- N-Female connector
- Adopting Strip Line Structure for Circuit
- Low Insertion Loss
- High Isolation
- High Power Handling
- Broadband
- ❖ Inner Termination

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



30.4 +0.3

 $4-\phi 3 \pm 0.2$ (4- ϕ 0.118)

P/N: EODC1-2121-020460

FEATURES

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

Hermercs

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

E-mail: §



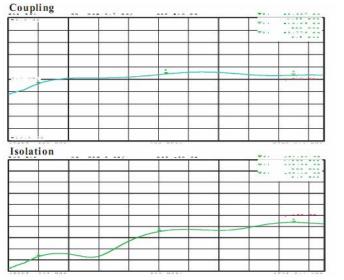
- Low Insertion Loss
- High Isolation
- High Power Handling
- Broadband
- Inner Termination

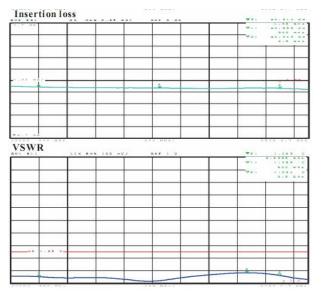
SPECIFICATIONS

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℃	-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: EODC1-2121-020560

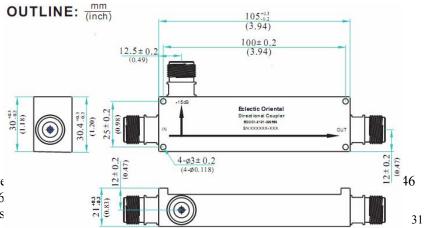
FEATURES

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

Hermercs

Add: 2th Floor, Building 8, Jingang Pioneering C6 Tel: 86-25-85490880 Fax: +86 Web Site: www.hermercs.com

E-mail: s





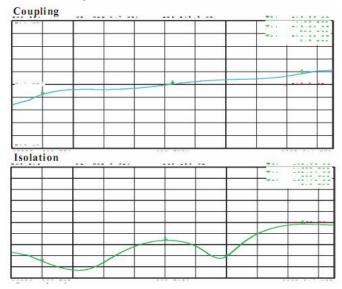
- High Power Handling
- Broadband
- Inner Termination

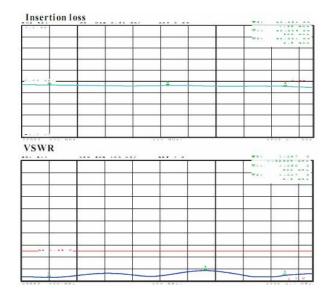
SPECIFICATIONS

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

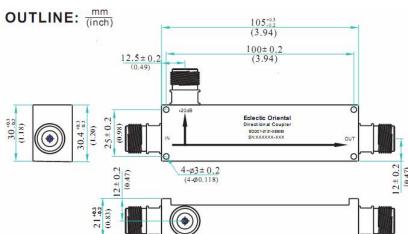
- N-Female connector
- ❖ Adopting Strip Line Structure for Circuit
- Low Insertion Loss
- High Isolation
- High Power Handling
- Broadband

Hermercs

Add: 2th Floor, Building 8, Jingang Pioneering Cer.

Tel: 86-25-85490880 Web Site: www.hermercs.com

Fax: +86-23-03307273 E-mail: sales@hermercs.com





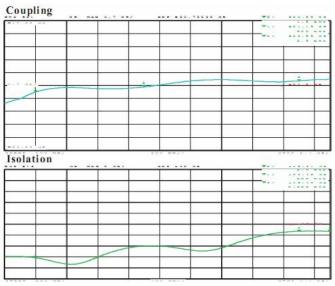
Inner Termination

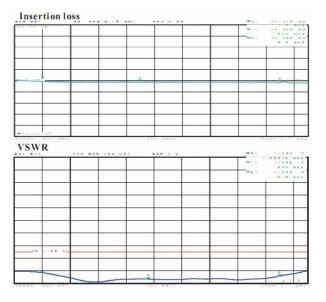
SPECIFICATIONS

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

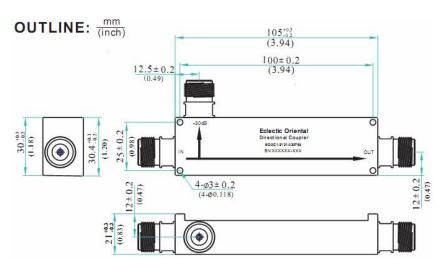




P/N: EODC1-2121-020760

FEATURES

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



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

Tel: 86-25-85490880 Fax: Web Site: www.hermercs.com E-ma

E-mail: sales@hermercs.com

Multi-Octave Band Directional Couplers



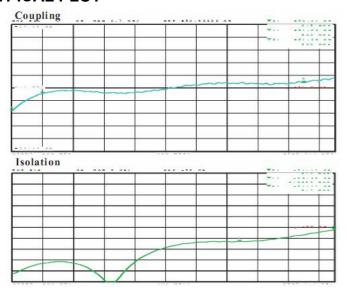


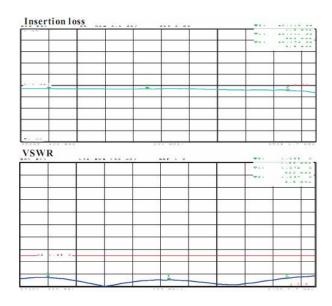
SPECIFICATIONS

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

OUTLINE: (inch) 120.3\(\frac{+0.3}{0.2}\) (4.77) 113.0\(\frac{+0.3}{0.2}\) (4.49) | Continued to the properties of th

34

SPECIFICATIONS

Hermercs

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

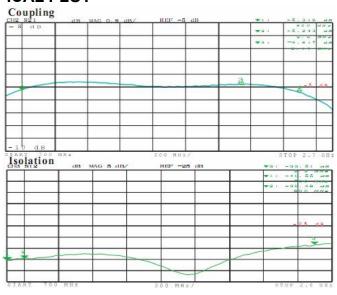
Tel: 86-25-85490880 Fax: +86-25-85569295

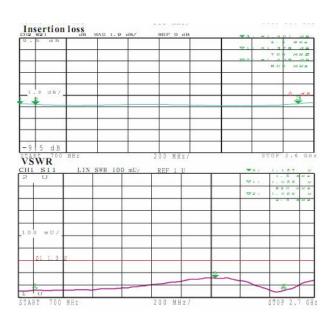
ı	F	R	M	F	R	CS
	_		IV.	L.		UU

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



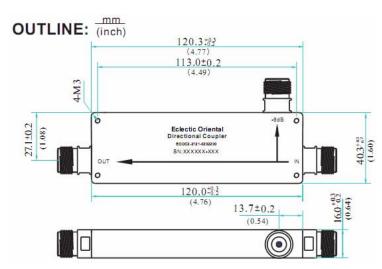


P/N: EODC2-2121-0202200

FEATURES

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

SPECIFICATIONS



35

Frequency	Insertion Loss	Coupling	VSWR	Directivity
Range				

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 Web Site: www.hermercs.com E-mail: sales@hermerc

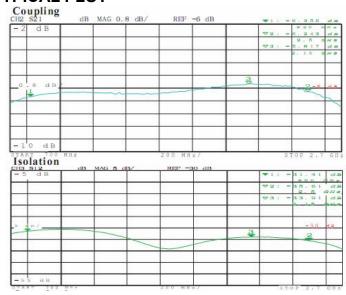
E-mail: sales@hermercs.com

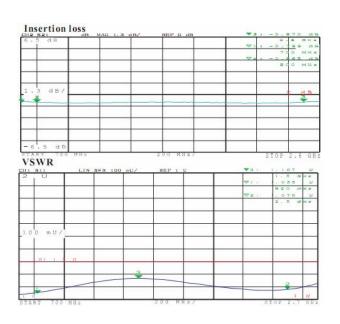


	0.8-2.5GHZ	0.4aB	6±0.50B	1.25	20 a B	
	Frequency	Connector	Power Handling	Working	Storage	ı
٠	Sensitivity			Temperature	Temperature	ı
	±0.5dB	N-F	200W	-20~+70℃	-40~+70℃	

- 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



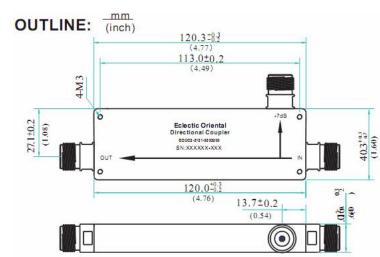


P/N: EODC2-2121-0203200

FEATURES

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

SPECIFICATIONS



36

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

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 Web Site: www.hermercs.com E-mail: sales@hermerc

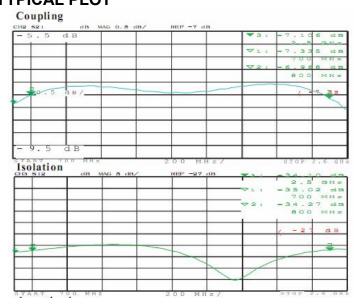
E-mail: sales@hermercs.com

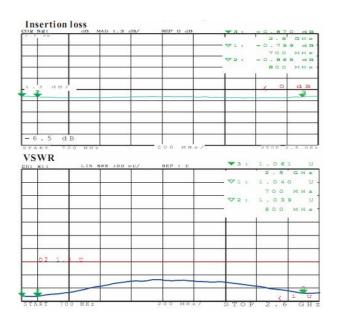


Frequency	Connector	Power Handling	Working	Storage
Sensitivity			Temperature	Temperature
±0.5dB	N-F	200W	-20~+70℃	-40~+70℃

- 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: EODC2-2121-0204200

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

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.hermercs.com

E-mail: sales@hermer

37

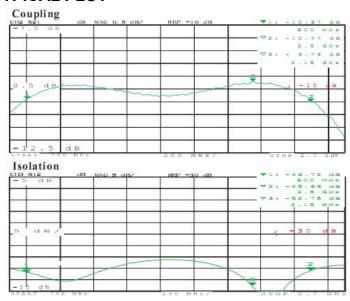


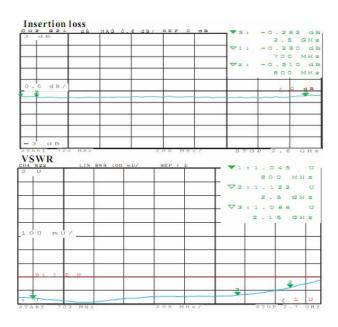
±0.7dB N-F 200W -20~+70°C -40~+70°C

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.

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

TYPICAL PLOT

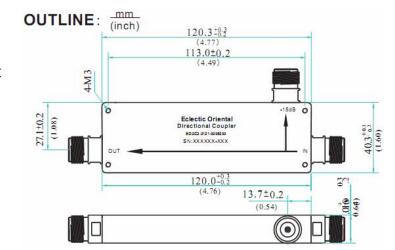




P/N: EODC2-2121-0205200

FEATURES

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



38

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°C

Hermercs

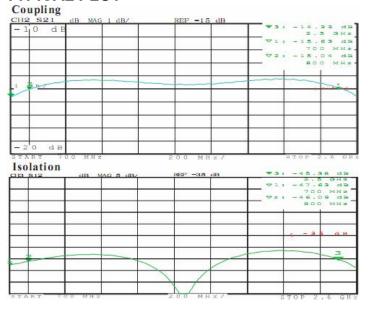
Add: 2th Floor, Building 8, Jingang Pioneering Center, 108# Ganjiabian dong, Qixia Dist, Nanjing, Jiangsu ,China, 210046

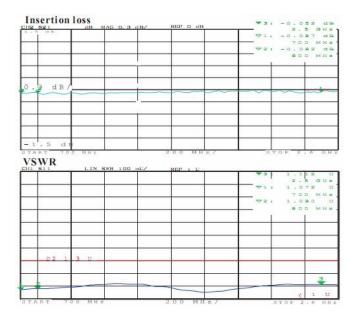
Tel: 86-25-85490880 Fax: +86-25-85569295



- 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: EODC2-2121-0206200

FEATURES

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

39

SPECIFICATIONS

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

Hermercs

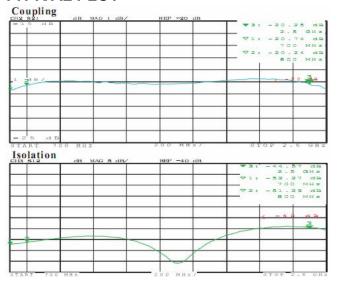
Add: 2th Floor, Building 8, Jingang Pioneering Center, 108# Ganjiabian dong, Qixia Dist, Nanjing, Jiangsu ,China, 210046

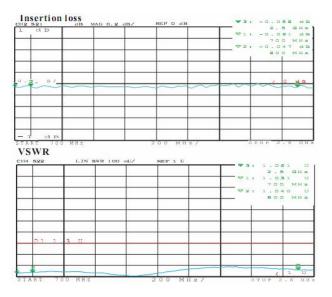
Tel: 86-25-85490880 Fax: +86-25-85569295



- 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

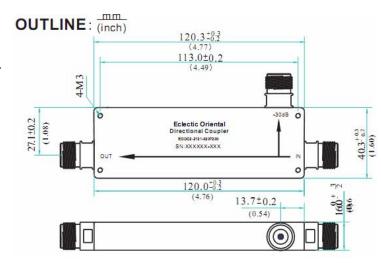




P/N: EODC2-2121-0207200

FEATURES

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



40

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
ı	±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.

Hermercs

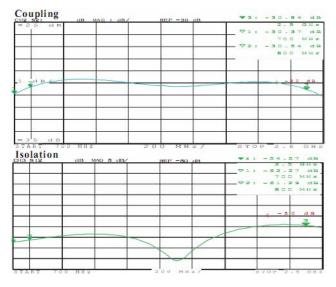
Add: 2th Floor, Building 8, Jingang Pioneering Center, 108# Ganjiabian dong, Qixia Dist, Nanjing, Jiangsu ,China, 210046

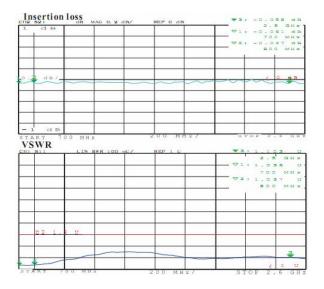
Tel: 86-25-85490880 Fax: +86-25-85569295



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

TYPICAL PLOT





P/N: EODC2-2121-0208200

FEATURES

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

OUTLINE: mm (inch) 4-M3 Dep.6 4-M0.118 Dep.0.24 Eclectic Oriental Directional Coupler Security assigns SN:XXXXXXX-XXX SN:XXXXXXX-XXX 126 ± 0.20 (4.96) 13.2+0.3 (5.20)

41

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 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 .

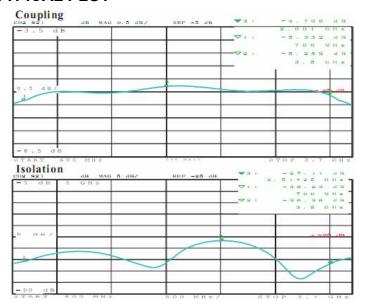
Hermercs

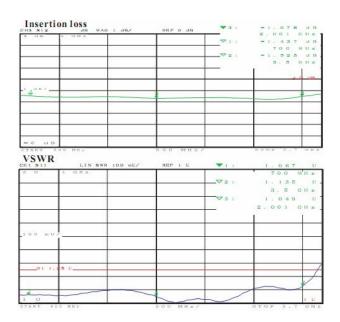
Add: 2th Floor, Building 8, Jingang Pioneering Center, 108# Ganjiabian dong, Qixia Dist, Nanjing, Jiangsu ,China, 210046

Tel: 86-25-85490880 Fax: +86-25-85569295



TYPICAL PLOT





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: (inch) 13.7 ± 0.25 4-M3 Dep.6 4-M0.118 Dep.0.24 Eclectic Oriental Directional Coupler sport agricultural state and sept agricultu

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°C

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 .

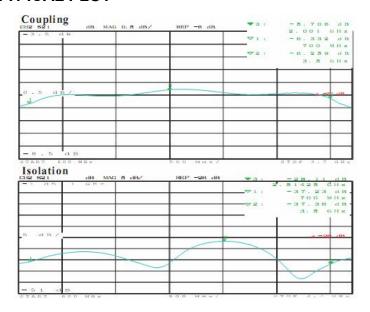
Hermercs

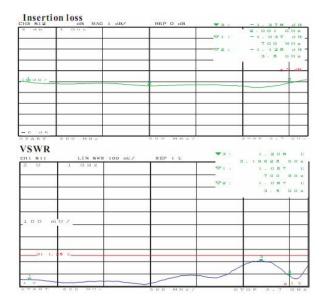
Add: 2th Floor, Building 8, Jingang Pioneering Center, 108# Ganjiabian dong, Qixia Dist, Nanjing, Jiangsu ,China, 210046

Tel: 86-25-85490880 Fax: +86-25-85569295



TYPICAL PLOT





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

SPECIFICATIONS

OUTLINE: (in	ch)	13.7 ± 0.25
	M3 Dep.6 .118 Dep.0.24	(0.54)
(0.47)	Eclectic Oriental Directional Coupler Ecocci-212-42-19209 SN:XXXXXXX-XXX	32 ± 0.20 38:6.1 (1.56)
71.5	$ \begin{array}{c} 126 \pm 0.20 \\ (4.96) \\ 132^{+0.3}_{-0.1} \\ (5.20) \end{array} $	
		(8.79)

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

- 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 .

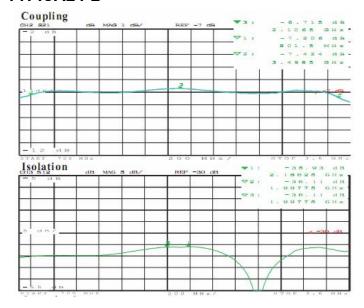
Hermercs

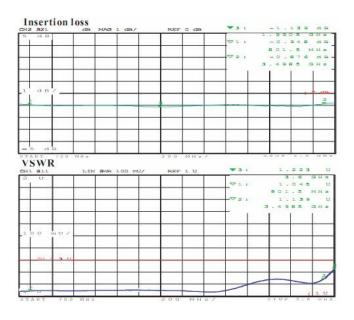
Add: 2th Floor, Building 8, Jingang Pioneering Center, 108# Ganjiabian dong, Qixia Dist, Nanjing, Jiangsu ,China, 210046

Tel: 86-25-85490880 Fax: +86-25-85569295
Web Site: www.hermercs.com E-mail: sales@hermercs.com

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

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℃

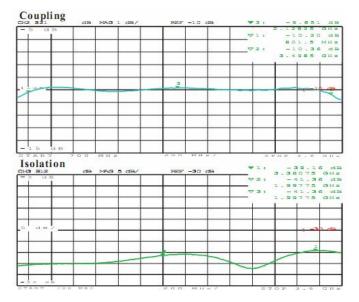
- Note 1. It is designed for wireless communication and mainly used for communication BTS, repeaters of GSM,CDMA and WCDMA bands.
- Note 2. This is Hermercs standard product and can be customized .

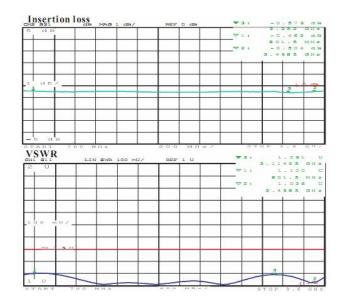
Hermercs

Tel: 86-25-85490880 Fax: +86-25-85569295
Web Site: www.hermercs.com E-mail: sales@hermercs.com



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

OUTLINE: mm (inch) 4-M3 Dep.6 4-M0.118 Dep.0.24 Court Source Source Survey S

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.

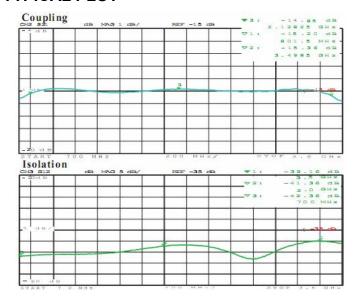
Hermercs

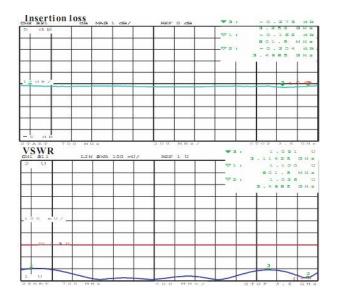
Add: 2th Floor, Building 8, Jingang Pioneering Center, 108# Ganjiabian dong, Qixia Dist, Nanjing, Jiangsu ,China, 210046

Tel: 86-25-85490880 Fax: +86-25-85569295



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: mm (inch) 13.7 ± 0.25 4-M3 Dep.6 4-M0.118 Dep.0.24 Eclectic Oriental Directional Coupler ECOCE. 313.73 ± 0.25 126 ± 0.20 (4.96) 13.210.1 (5.20)

SPECIFICATIONS

ı	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°C	-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

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.hermercs.com E-mail: sales@hermerc

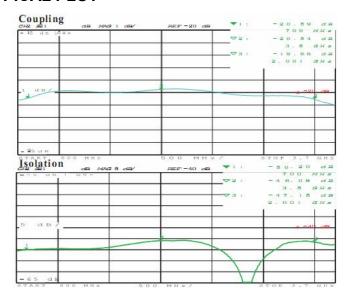
46

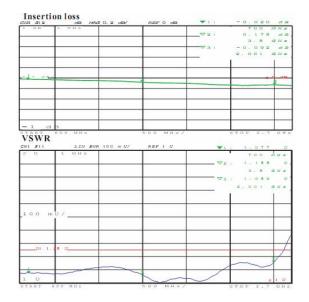
Multi-Octave Band Directional Couplers

For Communication



TYPICAL PLOT





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: (inch) 13.7 ± 0.25 4-M3 Dep.6 4-M0.118 Dep.0.24 Eclectic Oriental Directional Coupler social states SN:XXXXXXXXXXX SN:XXXXXXXXXXXX 126 ± 0.20 (4.96) 132-0.1 (5.20)

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℃

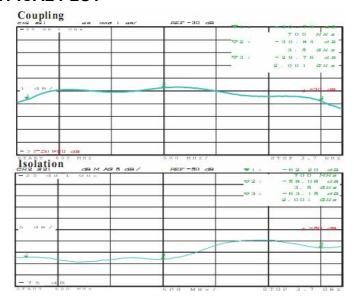
- Note 1. It is designed for wireless communication and mainly used for communication BTS , repeaters of GSM,CDMA and WCDMA bands.
- Note 2. This is Hermercs standard product and can be customized .

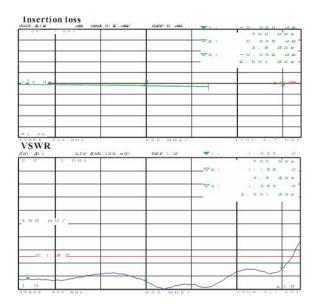
Hermercs

Tel: 86-25-85490880 Fax: +86-25-85569295
Web Site: www.hermercs.com E-mail: sales@hermercs.com

HERMERCS

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.

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

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



We highlight values as:
Customer Focused Value Delivered
Growth Synergic Innovation Driven