

Power Divider-PD

WGSCN-2-11

2 Way-0° 50Ω 800 to 1175 MHz

Ver. A
2025.06.16

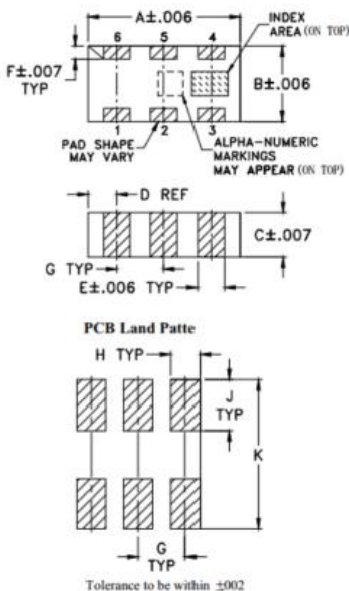
Maximum Rating

Operating Temperature	-55°C~+125°C
Storage Temperature	-55°C~+125°C
RF Input Power	20W max

Pin Connections

RF Input	2
RF Output	4,6
Ground	1,3,5

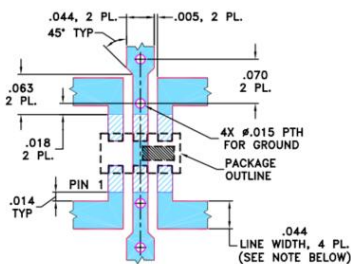
Outline Dimensions



OUTLINE DIMENSIONS (Inches)

A	B	C	D	E	F
.126	.063	.035	.024	.022	.011
3.20	1.60	0.89	0.61	0.56	0.28
G	H	J	K		wt
.039	.024	.042	.123		grams
0.99	0.61	1.07	3.12		.020

Suggested PCB layout



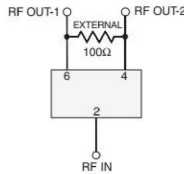
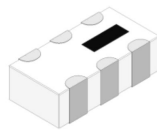
NOTES: 1. TRACE WIDTH IS SHOWN FOR ROGERS RO4350B WITH DIELECTRIC THICKNESS 0.020" ± 0.0015"; COPPER: 1/2 OZ. EACH SIDE. FOR OTHER MATERIALS TRACE WIDTH MAY NEED TO BE MODIFIED.
2. BOTTOM SIDE OF THE PCB IS CONTINUOUS GROUND PLANE.
3. DENOTES PCB COPPER LAYOUT WITH SMOBC (SOLDER MASK OVER BARE COPPER)
4. DENOTES COPPER LAND PATTERN FREE OF SOLDER MASK

Features

- ✧ Wrap-around terminal for excellent solderability
- ✧ Low insertion loss;
- ✧ Excellent amplitude / phase unbalance;
- ✧ High isolation;
- ✧ Temperature stable LTCC;

Application

- ✧ Balanced amplifiers/Modulators/GPS
- ✧ PCS/DCS



RoHS Compliant

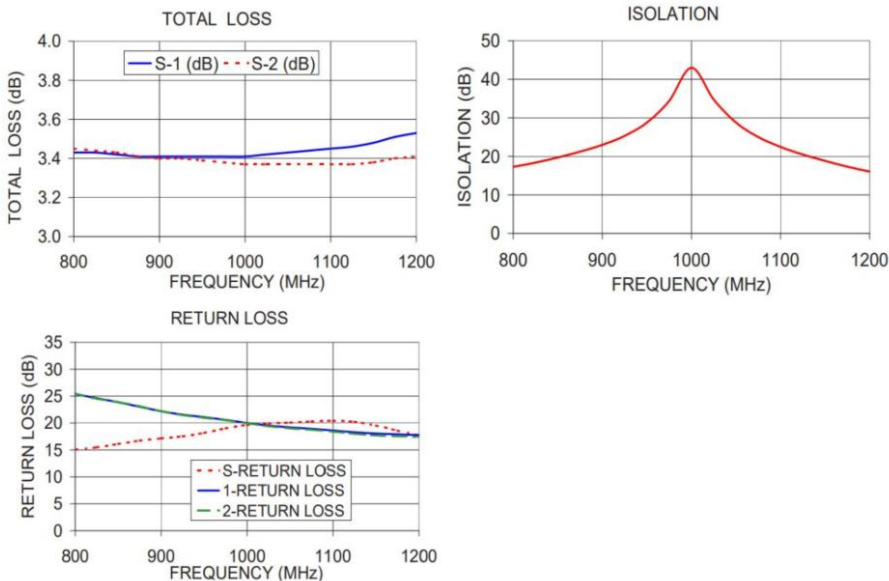
Electrical Schematic

Electrical Specifications⁽¹⁾ at 25°C

Parameter	Frequency (MHz)	MIN	Typ.	MAX	Unit
Insertion Loss above 3.0 dB	800-1175	-	0.5	0.8	dB
	875-1125	-	0.5	0.8	
Isolation	800-1175	15	20	-	dB
	875-1125	18	22	-	
Phase Unbalance	800-1175	-	1.0	3.0	Degree
	875-1125	-	1.0	3.0	
Amplitude Unbalance	800-1175	-	0.1	0.3	dB
	875-1125	-	0.1	0.3	
Return Loss(Input)	800-1175	-	16	-	dB
	875-1125	-	16	-	
Return Loss(Output)	800-1175	-	18	-	dB
	875-1125	-	20	-	

Measured on Test Board T-11.

Typical Performance at 25°C



Notes

- The specifications are tested at 25°C±5°C, relative humidity 55~75%.
 - Other quality and characteristic not specify in this datasheet.
- Please contact us for detail requirements.



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