

50 Ω 700 to 1400MHz 1:2 Ratio

Ver. A

2023.05.26

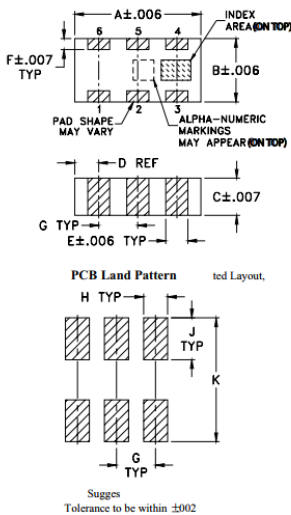
Maximum Rating

Operating Temperature	-40°C~+85°C
Storage Temperature	-55°C~+100°C
RF Input Power	5W max at 25°C

Pin Connections

PRIMARY DOT	4
PRIMARY (GND)	2,5
SECONDARY DOT	1
SECONDARY	6
NO CONNECTION	3

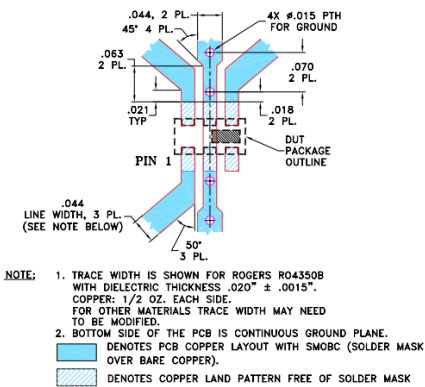
Outline Drawing



Outline Dimensions (inch/mm)

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	

Recommended PC Board Pattern



* Line width should be designed to match 50 characteristic impedance, depending on PCB material and thickness.

Features

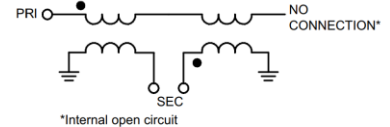
- Multilayer LTCC (Low Temperature Cofired Ceramics) Technology.
- Miniatured Size L*W*H: 3.2x1.6x0.95mm
- Low Insertion Loss reduces power consumption
- Low inband Amplitude and Phase imbalance
- Single ended 50 ohm differential 100 ohm
- LTCC Structure

Application

- Applied to GSM、TDMA、PDC、WAN、TACS、AMPS、NAMPS navigation.



RoHS Compliant



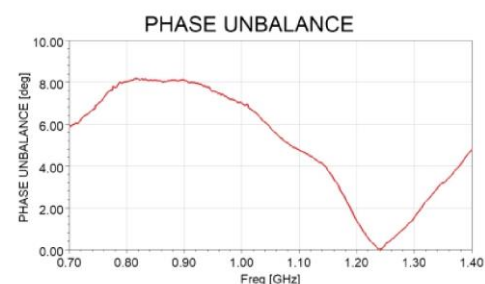
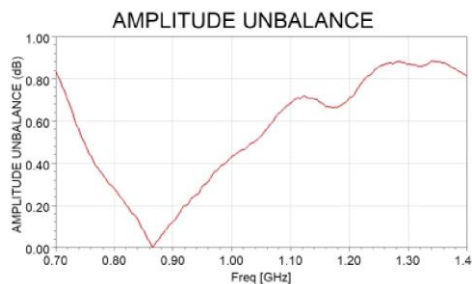
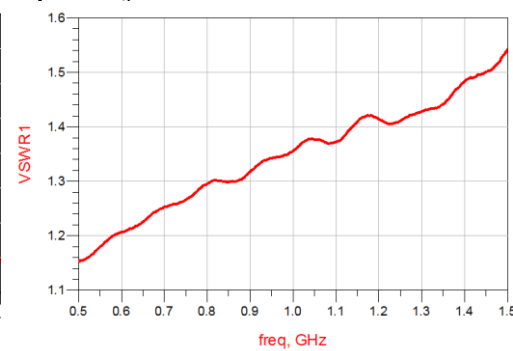
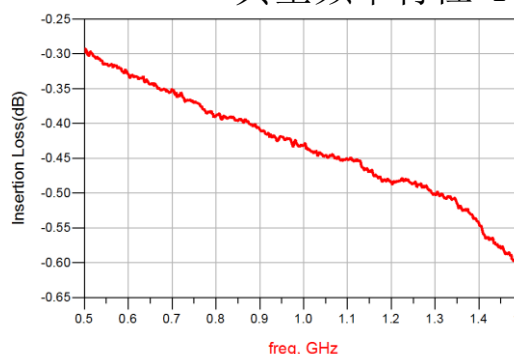
Functional Schematic

Electrical Specifications⁽¹⁾ at 25°C

Parameter	Frequency (MHz)	MIN	Typ.	MAX	Unit
Impedance Ratio (Secondary/Primary)			2		
Frequency Range		700		1400	MHz
Insertion Loss	700-1400 800-1000	-	0.9 0.7	-	dB
Amplitude Unbalance	700-1400 800-1000	-	0.8 0.35	-	dB
Phase Unbalance	700-1400 800-1000	-	8.0 8.0	-	Degree

(1) Measured on Fenghua Characterization Test Board TB-BL3216

典型频率特性 Frequency characteristics



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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