

50 Ω 380 to 960MHz

Ver. A

2025.03.15

Maximum Rating

Operating Temperature	-40°C~+85°C
Storage Temperature	-55°C~+100°C
RF Input Power	2W (CW) at 25°C

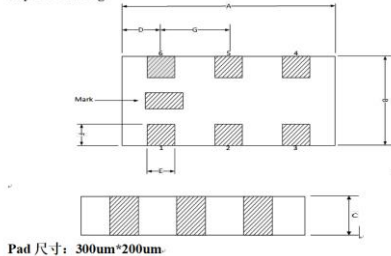
Pin Connections

GND	2,5
Unbalance Port	1
Balance Port	3,4
NO CONNECTION	6

Dimension & Layout

Max Length-L(mm)	2.0±0.15
Max Width-W(mm)	1.25±0.15
Max Height-H(mm)	0.90±0.05
Package	SMD

Layout Drawing



Symbol	Distance (mm)	Description
A	2.00	Length of the chip
B	1.25	Width of the chip
C	0.90	Height of the chip
D	0.35	Distance from pin 6 center to chip edge
E	0.3	Length of pins
F	0.2	Width of pins
G	0.65	Center distance of pins

Features

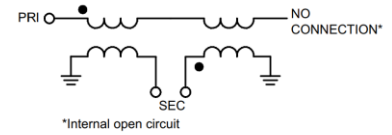
- Multilayer LTCC Technology.
- Miniatured Size L*W*H: 2.0x1.25x0.9mm
- New circuit topology for excellent return loss and low insertion loss
- High balance performance on LTCC Technology
- LTCC Structure

Application

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



RoHS Compliant



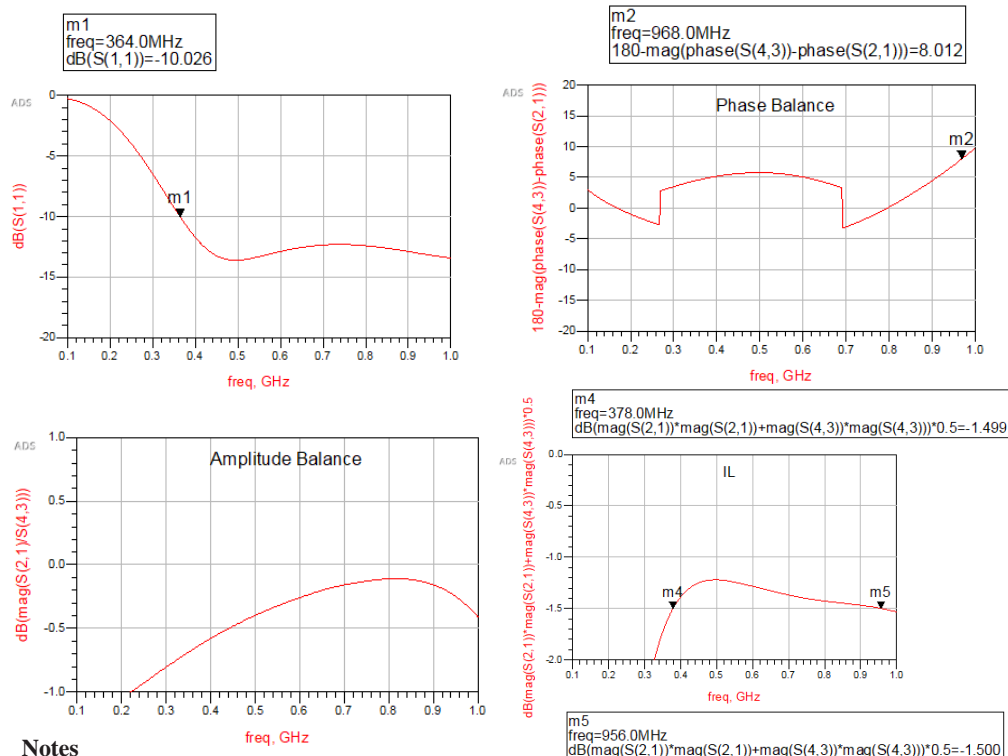
Functional Schematic

Electrical Specifications⁽¹⁾ at 25°C

Parameter	MIN	Typ.	MAX	Unit
Frequency Range	380		960	MHz
Insertion Loss	-	-	1.5	dB
Return Loss	10	-	-	dB
Input/output Impedance	-	50/100	-	Ω
Differential Port Amplitude Balance	-	-	1.0	dB
Differential Port Phase Balance	-	-	10	Degree

(1) Measured on Characterization Test Board

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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