



## Features and Benefits

Center frequency: 952.5MHz

I.L: 3.0dB Max.

Operating temperature: -40°C to +85°C

Size: 3x3x1.4mm

Package type: Surface Mount



## Typical Applications

IOT

Cellular

Telecom

4G/LTE

Wireless Communication

WLAN

Base Station

Radar

## Mechanical Drawing & Pin Connections

Drawing No: MD240080-1



PIN	Function
#2	INPUT
#5	OUTPUT
Others	GND

Unit in mm

1mm = 0.0394 inches

Not Specified Tolerance:  $\pm 0.2\text{mm}$



## Specifications

Parameter		Min.	Typical	Max.	Units
Center Frequency	Fc		952.5		MHz
Insertion Loss (945~960 MHz)	IL		2.1	3.0	dB
Amplitude Ripple			0.8	1.8	dB
VSWR (945~960 MHz)			1.5	2.0	
Group Delay at Fc			31	45	ns
Group Delay Ripple (945~960 MHz)			20	60	ns
Attenuation (Reference level from 0 dB)					
355 ~ 920	MHz	33	41		dB
985 ~ 1555	MHz	35	43		dB
Temperature Coefficient of Frequency			-36		ppm/K
Input Power Level			10		dBm
DC Voltage			3		V
Operating Temperature Range		-40		+85	°C
Storage Temperature Range		-40		+85	°C
Source impedance	Z <sub>s</sub>		50		Ω
Load impedance	Z <sub>L</sub>		50		Ω