



## Features and Benefits

Center frequency: 781.5MHz

I.L: 4.0dB 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		781.5		MHz
Insertion Loss (775~788 MHz)	IL		2.2	4.0	dB
Insertion Loss (777~787 MHz)	IL		2.1	3.0	dB
Amplitude Ripple (775~788 MHz)			0.35	1	dB
Bandwidth		13	25		MHz
Attenuation (Reference level from 0dB)					
300 ~ 700	MHz	28	64		dB
728 ~ 757	MHz	10	49		dB
880 ~ 1050	MHz	28	70		dB
Temperature Coefficient of Frequency			-36		ppm/°C
Input Power Level			25		dBm
DC Voltage			3		V
Operating Temperature Range		-40		+85	°C
Storage Temperature Range		-40		+85	°C