



Features and Benefits

Center frequency: 2442MHz

I.L: 3.0dB Max.

Operating temperature: -20°C to +70°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	Fr	2437	2442	2447	MHz
Insertion Loss (2437~2447 MHz)	IL		1.9	3.0	dB
Pass Bandwidth (relative to IL)	BW3	55	78		MHz
Amplitude Ripple (Fr +/- 12.5MHz)			0.6	2.0	dB
Group Delay Ripple (Fr +/- 12.5MHz)			5	20	ns
Group Delay (Fr +/- 12.5MHz)			14	50	ns
VSWR (Fr +/- 12.5MHz)			1.6	2.5	
Attenuation (Reference level from 0 dB)					
D.C. ~ 2300	MHz	37	41		dB
2300 ~ 2367	MHz	20	31		dB
2517 ~ 2650	MHz	40	44		dB
2650 ~ 4000	MHz	25	31		dB
Human Body Model	HBM		200		V
Machine Model	MM		200		V
Temperature Coefficient of Frequency			-36		ppm/°C
Input Power Level			10		dBm
DC Voltage			3		V
Operating Temperature Range		-20		+70	°C
Storage Temperature Range		-40		+85	°C
Source impedance (single ended)	Zs		50		Ω
Load impedance (single ended)	ZL		50		Ω