



### Features and Benefits

Center frequency: 1247.5MHz  
I.L: 5dB Max.  
Operating temperature: -55°C to +60°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: ±0.2mm



### Specifications

Parameter	Min.	Typical	Max.	Units
Center Frequency Fc		1247.5		MHz
Insertion Loss IL		2.6	5	dB
Amplitude Ripple (1238~1257 MHz)		0.9	1.45	dB
Group Delay Variation (1238~1257 MHz)		10	15	ns
VSWR (1238~1257 MHz)		1.45	2.2	
Attenuation (Reference level from 0 dB)				
20~1200 MHz	35	53		dB
1295~2500 MHz	35	45		dB
Temperature Coefficient of Frequency		-36		ppm/°C
In/Out Impedance (Single)		50		ohm
Input Power Level		10		dBm
DC Voltage		3		V
Operating Temperature Range	-55		+60	°C
Storage Temperature Range	-55		+60	°C

Deviation of Center and Bounder Frequencies in temperature range from -55°C to +60°C by

TCD= -30ppm/grad (for reference)