



### Features and Benefits

Center frequency: 1438MHz  
I.L: 5dB Max.  
Operating temperature: -40°C to +85°C  
Size: 3x3x1.4mm  
Package type: Surface Mount

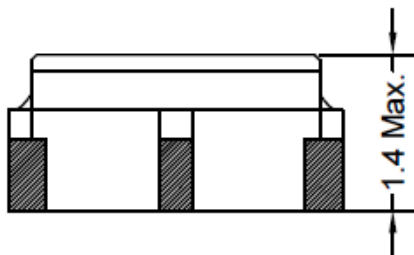


### Typical Applications

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: ±0.2mm



### Specifications

Parameter		Min.	Typical	Max.	Units
Center Frequency	Fc		1438		MHz
Insertion Loss (1413~1463 MHz)	IL		4.2	5	dB
VSWR (1413~1463 MHz)			1.6	2.4	
Group Delay Variation			10	15	ns
Amplitude Ripple (1413~1463 MHz)			1.7	3	dB
Attenuation (Reference level from 0 dB)					
10~1360	MHz	40	46		dB
1360~1385	MHz	20	42		dB
1490~1565	MHz	18	26		dB
1565~2900	MHz	40	43		dB
Temperature Coefficient of Frequency			-36		ppm/°C
In/Out Impedance (Single)			50		ohm
Input Power Level			15		dBm
DC Voltage			3		V
Operating Temperature Range		-40		+85	°C
Storage Temperature Range		-40		+85	°C
Moisture Sensitivity Level		Level 1(MSL1)			