



### Features and Benefits

Center frequency: 1601MHz  
I.L: 5dB Max.  
Operating temperature: -55°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		1601		MHz
Insertion Loss	IL		3.4	5	dB
Amplitude Ripple (1593~1609 MHz)			1.1	1.5	dB
Group Delay Variation (1593~1609 MHz)			9	15	ns
VSWR (1593~1609 MHz)			1.9	2.2	
Attenuation (Reference level from 0 dB)					
DC~1560	MHz	35	50		dB
1563~1580	MHz	11	16.5		dB
1622~1650	MHz	11	20.5		dB
1650~3000	MHz	35	43.5		dB
In/Out Impedance (Single)			50		ohm
Input Power Level			10		dBm
DC Voltage			3		V
Operating Temperature Range		-55		+85	°C
Storage Temperature Range		-55		+85	°C

Deviation of Center and Bounder Frequencies in temperature range from -55°C to +85°C by TCD= -35 ppm/grad.