



Features and Benefits

Center frequency: 1642.5MHz
I.L: 3.5dB Max.
Operating temperature: -20°C to +75°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		1642.5		MHz
Insertion Loss (1625~1660 MHz)		1.8	3.5	dB
Amplitude Ripple (1625~1660 MHz)		0.7	2	dB
VSWR (1625~1660 MHz)		1.7	2.3	
Attenuation (Reference level from 0 dB)				
DC~1500 MHz	21	29		dB
1525~1559 MHz	30	36		dB
1700~2050 MHz	30	32		dB
2050~3500 MHz	25	32		dB
Temperature Coefficient of Frequency		-36		ppm/°C
In/Out Impedance (Single)		50		ohm
Input Power Level		12		dBm
DC Voltage		3		V
Operating Temperature Range	-20		+75	°C
Storage Temperature Range	-40		+85	°C
Moisture Sensitivity Level	Level 1(MSL1)			
ESD	50(MM)			V
ESD	100(HBM)			V