



Features and Benefits

Center frequency: 1587.1MHz
I.L: 4dB Max.
Operating temperature: -40°C to +85°C
Size: 3x3x1.4mm
Package type: Surface Mount

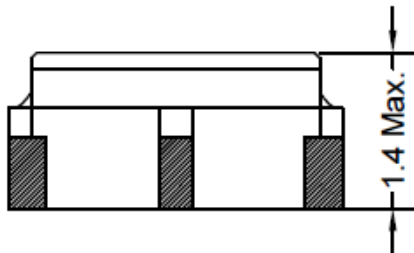


Typical Applications

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		1587.1		MHz
Insertion Loss (1559.6~1614.6 MHz) IL		2.4	4	dB
Amplitude Ripple (1565.1~1609.1 MHz)		0.7	1.2	dB
Group Delay Variation (1559.6~1614.6 MHz)		7	50	ns
Input_ VSWR (1559.6~1614.6 MHz)		2.3	2.4	
Output_ VSWR (1559.6~1614.6 MHz)		2.2	2.45	
Attenuation (Reference level from 0 dB)				
10~1435 MHz	35	38		dB
1435~1525 MHz	20	26		dB
1653~1743 MHz	25	40		dB
1743~2500 MHz	28	31		dB
2500~3000 MHz	20	26		dB
Temperature Coefficient of Frequency		-36		ppm/k
Input Power Level		10		dBm
DC Voltage		3		V
Operating Temperature Range	-40		+85	°C
Storage Temperature Range	-40		+85	°C
Moisture Sensitivity Level	Level 1(MSL1)			