



Features and Benefits

Center frequency: 1575.5MHz
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		1575.5		MHz
Insertion Loss IL		3	5	dB
Amplitude Ripple (1569~1582 MHz)		0.8	1.2	dB
Group Delay Variation (1569~1582 MHz)		9	18	ns
VSWR (1569~1582 MHz)		2	2.2	
Attenuation (Reference level from 0 dB)				
DC~1525 MHz	35	50		dB
1602~1616 MHz	20	43		dB
1616~3000 MHz	35	43		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.