



Features and Benefits

Center frequency: 632.8125MHz
I.L: 4.5dB Max.
Operating temperature: -40°C to +85°C
Size: 3x3x1.4mm
Package type: Surface Mount

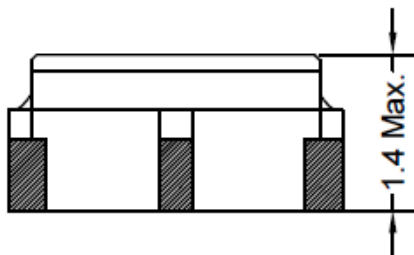


Typical Applications

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

Data is valid for all operational temp. range -40°C to +85°C.

Parameter	Min.	Typical	Max.	Units
Center Frequency Fc		632.8125		MHz
Insertion Loss IL		2.9	4.5	dB
Bandwidth @ -3 dB		1.6		MHz
Passband Ripple (632.3125~633.3125 MHz)		0.5	1.5	dB
Return Loss with matching circuit (632.3125~633.3125 MHz)	7	10		dB
Attenuation (Relative to IL @ 632.8125MHz)				
DC~ Fc-32.8 MHz	40	55		dB
Fc-32.8~Fc-12.8 MHz	30	25		dB
Fc-12.8~Fc-2 MHz	10	20		dB
Fc-2~ Fc-1 MHz	5	8.2		dB
Fc+1.5~ Fc+2 MHz	5	14		dB
Fc+2~ Fc+12.8 MHz	10	24		dB
Fc+12.8~ Fc+32.8 MHz	28	31		dB
Fc+32.8~ Fc+600 MHz	38	42		dB
Fc+600~ Fc+2400 MHz	35	60		dB
Temperature Coefficient of Frequency		-0.036		ppm/°C ²
Source Impedance		50		ohm
Load Impedance		50		ohm
Input Power Level		4		dBm
DC Voltage		10		V
Operating Temperature Range	-40		+85	°C
Storage Temperature Range	-55		+85	°C
Moisture Sensitivity Level	Level 1(MSL1)			