



Features and Benefits

Center frequency: 1090MHz
I.L: 5dB Max.
Operating temperature: -40°C to +85°C
Size: 3x3x1.4mm
Package type: Surface Mount

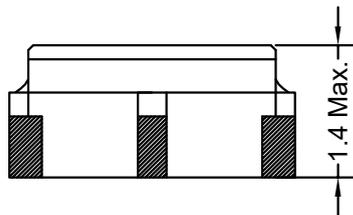
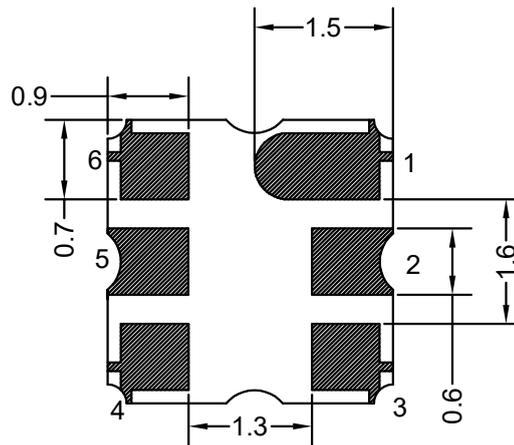
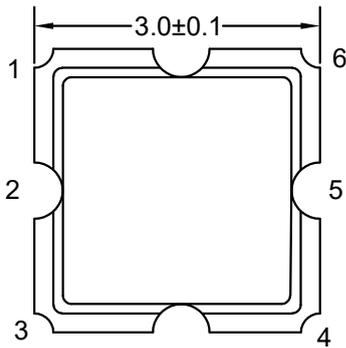


Typical Applications

- IOT
- Cellular
- Telecom
- 4G/LTE
- Wireless Communication
- WLAN
- Base Station
- Radar

Mechanical Drawing & Pin Connections

Drawing No: MD250009-1



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		1090		MHz
Insertion Loss (1089~1091 MHz)	IL		2.9	3.5	dB
Insertion Loss (1086~1094 MHz)	IL		3.8	5	dB
Amplitude Ripple (1086~1094 MHz)			1.1	2	dB
VSWR (1089~1091 MHz)			1.6	2	
Attenuation					
1050 ~ 1060 MHz		45	48		dB
1060 ~ 1070 MHz		40	45		dB
1070 ~ 1075 MHz		37	40		dB
1105 ~ 1115 MHz		40	53		dB
1115 ~ 1125 MHz		50	60		dB
1125 ~ 1130 MHz		55	64		dB
Temperature Coefficient			-36		ppm/°C
Terminating load/ source impedance (single)			50		ohm
Input Power Level				20	dBm
DC Voltage				6	V
Operating Temperature Range		-40		+85	°C
Storage Temperature Range		-40		+105	°C
Moisture Sensitive Level (MSL)		Level 1			

Electrostatic Sensitive Device (ESD)

Lead Free

RoHS Compliant