



Features and Benefits

Center frequency: 3500MHz
I.L: 5dB Max.
Operating temperature: -40°C to +105°C
Size: 3x3x1.4mm
Package type: Surface Mount

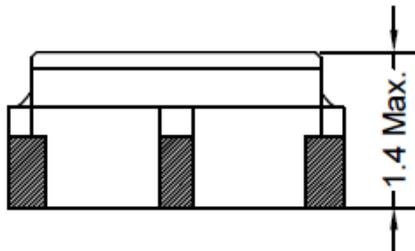
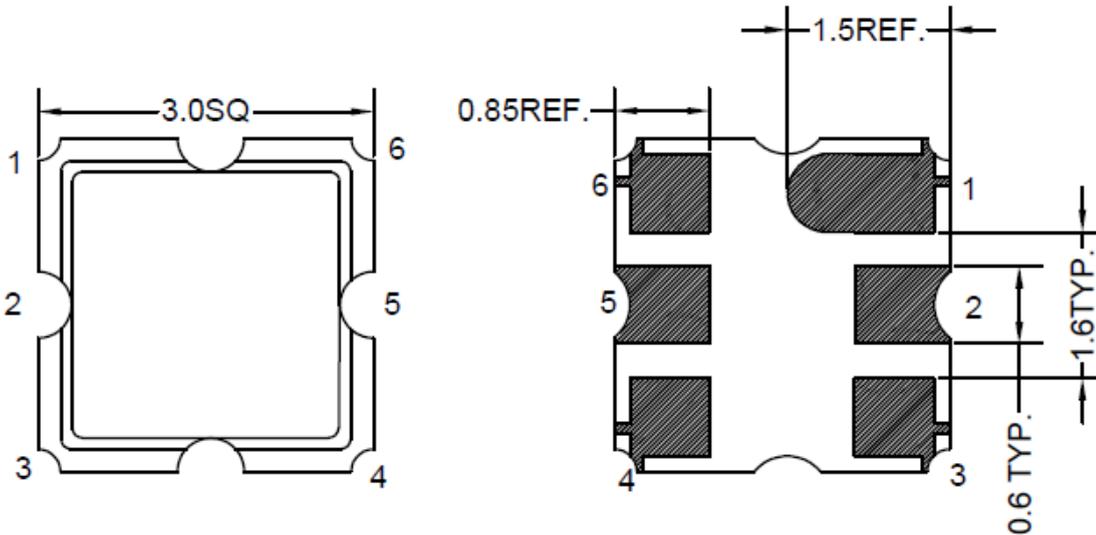


Typical Applications

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		3500		MHz
Insertion Loss (3400~3600 MHz)	IL		3.7	5	dB
Amplitude Ripple (3400~3600 MHz)			0.4	3	dB
VSWR (3400~3600 MHz)			2.1	2.5	
Absolute Group Delay (3400~3600 MHz)			2	30	ns
Group Delay Ripple (3400~3600 MHz)			1.5	15	ns
Attenuation (Reference level from 0 dB)					
10~2550	MHz	23	27		dB
2550~2690	MHz	25	28		dB
2690~3000	MHz	25	29		dB
3000~3200	MHz	10	31		dB
3800~3850	MHz	10	40		dB
3850~4200	MHz	20	38		dB
4200~5000	MHz	25	32		dB
5000~6000	MHz	25	30		dB
Temperature Coefficient of Frequency			-80		ppm/°C
Input Power Level (3400~3600 MHz , Continuous wave for 100000h @95°C)			15		dBm
Input Power Level (3400~3600 MHz , Continuous wave for 1000h @95°C)			22		dBm
Input Power Level (3400~3600 MHz , Continuous wave for 2h @95°C)			23		dBm
DC Voltage			0		V
Operating Temperature Range		-40		+105	°C
Storage Temperature Range		-40		+105	°C
Moisture Sensitivity Level		Level 1(MSL1)			