

# Dynamic Engineers Inc.

Website: www.DynamicEngineers.com Email: Inquiry@DynamicEngineers.com

#### **Features and Benefits**

Center frequency: 3540MHz I.L: 4.6dB Max. Operating temperature: -40°C to +95°C Size: 3x3x1.4mm Package type: Surface Mount



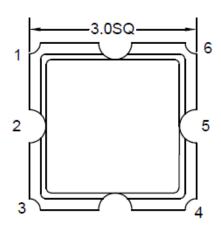
### **Typical Applications**

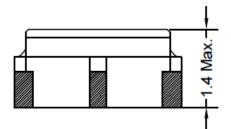
IOT Cellular Telecom 4G/LTE Wireless Communication WLAN **Base Station** Radar

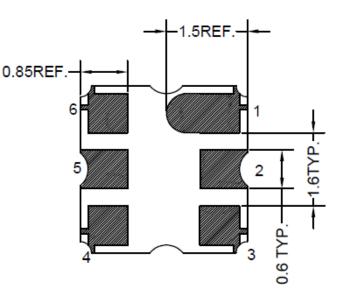
#### **Mechanical Drawing & Pin Connections**



MD240080-1







	PIN	Function					
		INPUT					
	#2	INPUT					
	#5	OUTPUT					
	Others	GND					
Unit in mm							
1mm = 0.0394 inches							
Not Specified Tolerance: ±0.2mm							

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## **Specifications**

Parameter	Min.	Typical	Max.	Units		
Center Frequency Fc		3540		MHz		
Insertion Loss (3480~3600 MHz) IL		3.6	4.6	dB		
Amplitude Ripple (3480~3600 MHz)		0.8	2.5	dB		
Amplitude Ripple (3480~3600 MHz) (Over any 20		1.1	1.8	dB		
MHz span) VSWR (3480~3600 MHz)		1.9	2.4			
Absolute Group Delay (3480~3600 MHz)		5	20	ns		
Group Delay Ripple (3480~3600 MHz)		5	15	ns		
Attenuation (Reference level from 0 dB)						
10~2000 MHz	27	29		dB		
2000~3019 MHz	20	29		dB		
3019~3233 MHz	22	35		dB		
3233~3380 MHz	10	36		dB		
3680~3700 MHz	8	47		dB		
3700~3847 MHz	15	41		dB		
3847~3908 MHz	20	40		dB		
3908~5350 MHz	15	37		dB		
5350~5500 MHz	10	35		dB		
Temperature Coefficient of Frequency		-36		ppm/k		
Input Power Level (2h, 95°C)		23		dBm		
DC Voltage		3		V		
Operating Temperature Range	-40		+95	°C		
Storage Temperature Range	-40		+95	°C		
Moisture Sensitivity Level	Level 1(MSL1)					