

## Dynamic Engineers Inc.

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

#### **Features and Benefits**

Center frequency: 418MHz I.L: 3.5dB Max. Operating temperature: -40°C to +85°C Size: 3x3x1.4mm Package type: Surface Mount



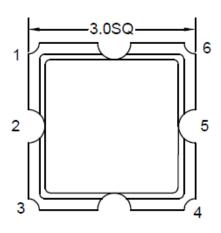
#### **Typical Applications**

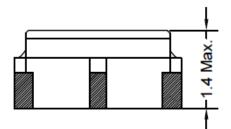
IOT Cellular Telecom 4G/LTE Wireless Communication WLAN **Base Station** Radar

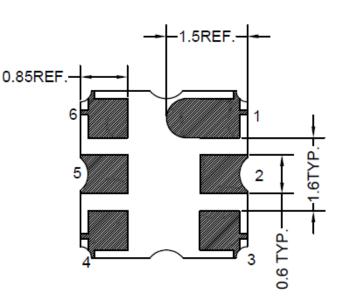
#### **Mechanical Drawing & Pin Connections**



MD240080-1







	PIN	Function					
	#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		418		MHz		
Insertion Loss (416~420 MHz) IL		1.7	3.5	dB		
Amplitude Ripple (416~420 MHz)		0.2	1.8	dB		
VSWR (416~420 MHz)		1.3	2.4			
Attenuation (Reference level from 0 dB)						
10~390 MHz	55	67		dB		
390~405 MHz	45	55		dB		
435~445 MHz	30	40		dB		
445~800 MHz	50	56		dB		
800~1000 MHz	45	53		dB		
Temperature Coefficient of Frequency		-36		ppm/°C		
Input Power Level		10		dBm		
DC Voltage		3		V		
Operating Temperature Range	-40		+85	°C		
Storage Temperature Range	-40		+85	С°		