

Dynamic Engineers Inc.

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

Features and Benefits

Center frequency: 314MHz I.L: 3dB Max. Operating temperature: -40°C to +85°C Size: 3x3x1.4mm Package type: Surface Mount



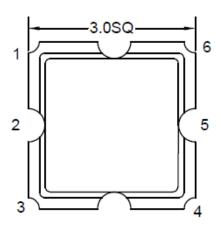
Typical Applications

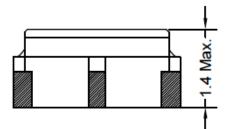
IOT Cellular Telecom 4G/LTE Wireless Communication WLAN **Base Station** Radar

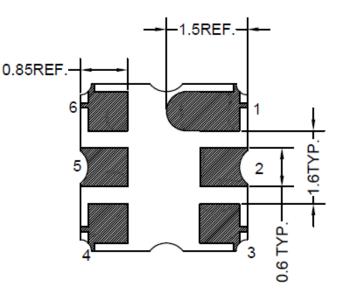
Mechanical Drawing & Pin Connections



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		314		MHz		
Insertion Loss (313.5~314.5 MHz)	IL		1.5	3	dB		
Amplitude Ripple (313.5~314.5 MHz)		0.2	1.5	dB			
VSWR (313.5~314.5 MHz)		1.2	2.5				
Attenuation (Reference level from 0 dB)							
292.1 MHz		50	66		dB		
334.9 MHz		45	50		dB		
Temperature Coefficient of Frequency		-36		ppm/k			
Input Power Level			20		dBm		
DC Voltage			7.5		V		
Operating Temperature Range		-40		+85	°C		
Storage Temperature Range		-40		+85	°C		

Note. No matching network required for operation at 50ohm.