

Dynamic Engineers Inc.

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

Features and Benefits

Center frequency: 314.35MHz I.L: 2.5dB Max. Operating temperature: -40°C to +85°C Size: 3x3x1.4mm Package type: Surface Mount



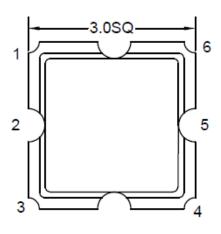
Typical Applications

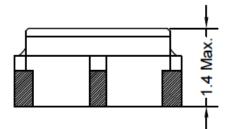
IOT Cellular Telecom 4G/LTE Wireless Communication WLAN **Base Station** Radar

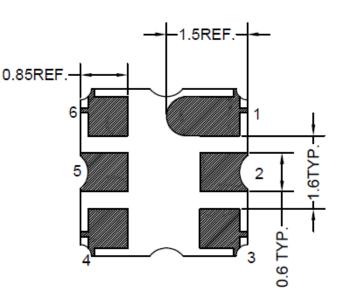
Mechanical Drawing & Pin Connections



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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Dynamic Engineers reserves the right to make changes to the company datasheet(s) along with other information contained inside; such as data tables and araphs without notification to potential customers who may have earlier revisions in their possession.



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Specifications

Parameter		Min.	Typical	Max.	Units		
Center Frequency	Fc		314.35		MHz		
Insertion Loss (314.05~314.65 MHz)		1.6	2.5	dB			
Amplitude Ripple (314.05~314.65 MHz)		0.1	1.2	dB			
Attenuation (Reference level from 0 dB)							
270~286 MHz		55	63		dB		
292.65~293.25 MHz		53	79		dB		
303.35~303.95 MHz		48	67		dB		
324.75~325.35 MHz		23	30		dB		
335.45~336.05 MHz		42	50		dB		
357.5~358.7 MHz		50	66		dB		
In/Out Impedance (Single)			50		ohm		
Input Power Level			10		dBm		
DC Voltage		6		V			
Operating Temperature Range		-40		+85	°C		
Storage Temperature Range		-40		+85	°C		

Note1. No matching network required for operation at 50ohm.

Note2. For SiO₂ coating.