

Dynamic Engineers Inc.

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

Features and Benefits

Center frequency: 3780MHz I.L: 5.5dB Max. Operating temperature: -40°C to +85°C Size: 3x3x1.4mm Package type: Surface Mount



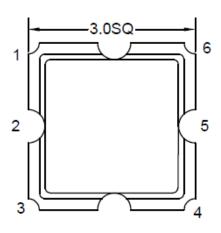
Typical Applications

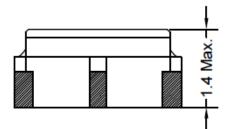
IOT Cellular Telecom 4G/LTE Wireless Communication WLAN **Base Station** Radar

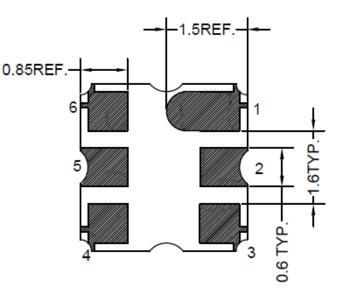
Mechanical Drawing & Pin Connections



MD240080-1







	PIN	Function					
		INPUT					
	#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		3780		MHz		
Insertion Loss (3700~3860 MHz) IL		4.2	5.5	dB		
Amplitude Ripple (3700~3860 MHz)		0.5	2	dB		
VSWR (3700~3860 MHz)		1.8	2.5			
Group Delay (3700~3860 MHz)		2	30	ns		
Group Delay Ripple (3700~3860 MHz)		1	15	ns		
Attenuation (Reference level from 0 dB)						
10~2500 MHz	20	29		dB		
2500~3400 MHz	20	26		dB		
3400~3500 MHz	10	18		dB		
4050~4150 MHz	10	16		dB		
4200~4700 MHz	30	34		dB		
Temperature Coefficient of Frequency		-36		ppm/k		
Input Power Level		10		dBm		
DC Voltage		0		V		
Operating Temperature Range	-40		+85	°C		
Storage Temperature Range	-40		+85	°C		
Moisture Sensitivity Level		Level 1(MSL1)				