

# Dynamic Engineers Inc.

Website: <a href="http://www.DynamicEngineers.com">www.DynamicEngineers.com</a> Email: <a href="http://www.DynamicEngineers.com">Inquiry@DynamicEngineers.com</a>

#### **Features and Benefits**

Center frequency: 2700MHz I.L: 3dB Max. Operating temperature: -40°C to +80°C Size: 3x3x1.4mm Package type: Surface Mount

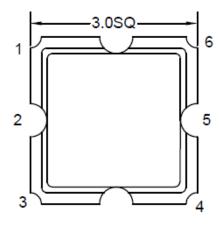


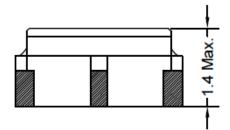
## **Typical Applications**

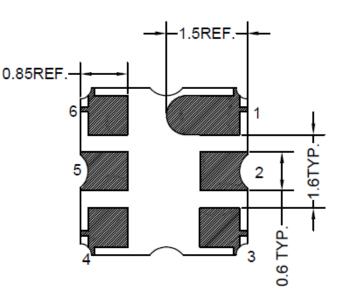
IOT Cellular Telecom 4G/LTE Wireless Communication WLAN Base Station Radar

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









	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			2700		MHz		
Insertion Loss (2696~2704 MHz)		2	3	dB			
Amplitude Ripple (2696~2704 MHz)		1	1.5	dB			
VSWR (2696~2704 MHz)		1.5	2				
Attenuation (Reference level from 0 dB)							
10~2000 MHz		30	35		dB		
2000~2500 MHz		35	40		dB		
3000~4000 MHz		30	35		dB		
4000~5000 MHz		15	20		dB		
Temperature Coefficient of Frequence		-36		ppm/°C			
In/Out Impedance (Single)		50		ohm			
Input Power Level			13		dBm		
DC Voltage			5		V		
Operating Temperature Range		-40		+80	°C		
Storage Temperature Range		-40		+85	°C		
Moisture Sensitivity Level		Level 1(MSL1)					