



### 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

Drawing No: MD240080-1



PIN	Function
#2	INPUT
#5	OUTPUT
Others	GND

Unit in mm  
1mm = 0.0394 inches  
Not Specified Tolerance: ±0.2mm



### 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)			