



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

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		314.35		MHz
Insertion Loss (314.05~314.65 MHz)	IL		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.