



Features and Benefits

Center frequency: 418MHz
I.L: 3.5dB 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		418		MHz
Insertion Loss (416~420 MHz)	IL		1.7	3.5	dB
Amplitude Ripple (416~420 MHz)			0.2	1.8	dB
VSWR (416~420 MHz)			1.3	2.4	
Attenuation (Reference level from 0 dB)					
10~390	MHz	55	67		dB
390~405	MHz	45	55		dB
435~445	MHz	30	40		dB
445~800	MHz	50	56		dB
800~1000	MHz	45	53		dB
Temperature Coefficient of Frequency			-36		ppm/°C
Input Power Level			10		dBm
DC Voltage			3		V
Operating Temperature Range		-40		+85	°C
Storage Temperature Range		-40		+85	°C