



Features and Benefits

Center frequency: 505MHz
I.L: 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		505		MHz
Insertion Loss (500~510 MHz)	IL		2.1	5	dB
Amplitude Ripple (500~510 MHz)			0.7	3.4	dB
Attenuation (Reference level from 0 dB)					
255~455	MHz	48	52		dB
455~470	MHz	45	50		dB
470~490	MHz	30	42		dB
545~560	MHz	40	45		dB
560~755	MHz	45	49		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