



Features and Benefits

Center frequency: 897.5MHz

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: $\pm 0.2\text{mm}$



Specifications

Parameter		Min.	Typical	Max.	Units
Center Frequency	Fc		897.5		MHz
Insertion Loss (880~915 MHz)	IL		2.2	3.5	dB
Amplitude Ripple (880~915 MHz)			1.3	2.0	dB
Attenuation (Reference level from 0 dB)					
D.C. ~ 738	MHz	35	40		dB
738 ~ 773	MHz	35	40		dB
773 ~ 860	MHz	20	35		dB
925 ~ 930	MHz	25	30		dB
930 ~ 960	MHz	25	30		dB
960 ~ 1000	MHz	25	35		dB
1000 ~ 2035	MHz	25	30		dB
2035 ~ 2500	MHz	25	30		dB
2500 ~ 3000	MHz	25	30		dB
3000 ~ 3500	MHz	15	20		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
Source impedance (single ended)			50		Ω
Load impedance (single ended)			50		Ω