



Features and Benefits

Center frequency: 866.5MHz

I.L: 3.0dB 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		866.5		MHz
Insertion Loss at Fc	Amax		2.3	3.0	dB
Amplitude Ripple (863~870 MHz)			0.3	1.3	dB
VSWR (863~870 MHz)			1.2	2.0	
Attenuation (Reference level from Amax)					
10 ~ 830	MHz	45	49		dB
830 ~ 850	MHz	22	35		dB
885 ~ 905	MHz	27	35		dB
905 ~ 950	MHz	45	49		dB
950 ~ 1500	MHz	40	47		dB
1500 ~ 3000	MHz	25	28		dB
Temperature Coefficient of Frequency			-36		ppm/°C
Input Power Level			18		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
Moisture Sensitivity Level		Level 1 (MSL1)			