



Features and Benefits

Center frequency: 869MHz

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		869		MHz
Insertion Loss (868~870 MHz)	IL		2.6	3.5	dB
Amplitude Ripple (868~870 MHz)			0.6	1.2	dB
Attenuation (Reference level from 0 dB)					
10 ~ 845	MHz	35	40		dB
845 ~ 851	MHz	32	36		dB
851 ~ 856.8	MHz	20	24		dB
883 ~ 892	MHz	20	35		dB
892 ~ 1000	MHz	42	47		dB
Input Power Level			13		dBm
DC Voltage			0		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			