



## Features and Benefits

Center frequency: 869MHz

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		869		MHz
Insertion Loss (868~870 MHz)	IL		2.3	3.0	dB
Amplitude Ripple (868~870 MHz)			0.3	0.6	dB
Attenuation (Reference level from 0 dB)					
100 ~ 300	MHz	45	50		dB
300 ~ 845	MHz	40	45		dB
845 ~ 853	MHz	38	43		dB
879 ~ 883	MHz	15	30		dB
883 ~ 915	MHz	40	45		dB
915 ~ 945	MHz	45	50		dB
945 ~ 1200	MHz	45	55		dB
1200 ~ 2000	MHz	35	40		dB
Input Power Level			20		dBm
DC Voltage			3.5		V
Operating Temperature Range		-40		+85	°C
Storage Temperature Range		-40		+85	°C
Source impedance (single ended)			50		$\Omega$
Load impedance (single ended)			50		$\Omega$