



## Features and Benefits

Center frequency: 868.3MHz

I.L: 3.8dB Max.

Operating temperature: -40°C to +125°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		868.3		MHz
Insertion Loss	IL		3.0	3.8	dB
3dB Bandwidth (from Fc)		$\pm 0.3$	1.6		MHz
Attenuation (Relative to IL)					
10 ~ 600	MHz	50	64		dB
600 ~ 850	MHz	33	38		dB
850 ~ 860	MHz	10	36		dB
860 ~ 865.5	MHz	20	25		dB
871 ~ 878	MHz	10	23		dB
878 ~ 1000	MHz	21	26		dB
1000 ~ 1300	MHz	40	49		dB
1300 ~ 2500	MHz	30	65		dB
Input Power Level			10		dBm
DC Voltage			0		V
Operating Temperature Range		-40		+125	°C
Storage Temperature Range		-40		+125	°C
Input Zin = Rin // Cin			162.2 // 3.3		$\Omega$ // pF
Output Zout = Rout // Cout			162.2 // 3.3		$\Omega$ // pF