



Features and Benefits

Center frequency: 868.3MHz

I.L: 4.2dB Max.

Operating temperature: -40°C to +105°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		2.8	4.2	dB
3dB Bandwidth			1.5		MHz
Passband (Relative to IL)					
868 ~ 868.78 MHz			1.0	3.0	dB
867.9 ~ 868.88 MHz			1.7	4.5	dB
Attenuation (Relative to IL)					
10 ~ 700	MHz	50	60		dB
700 ~ 830	MHz	40	44		dB
830 ~ 850	MHz	35	42		dB
850 ~ 865.02	MHz	22	25		dB
871 ~ 874.5	MHz	15	27		dB
874.5 ~ 883	MHz	19	27		dB
883 ~ 900	MHz	30	33		dB
900 ~ 1000	MHz	35	39		dB
Input Power Level			10		dBm
DC Voltage			0		V
Operating Temperature Range		-40		+105	°C
Storage Temperature Range		-40		+105	°C
Input Zin = Rin // Cin			202 // 2.07		Ω // pF
Output Zout = Rout // Cout			202 // 2.07		Ω // pF