



## Features and Benefits

Center frequency: 869.3MHz

I.L: 3.5dB Max.

Operating temperature: -10°C to +55°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		869.3		MHz
Insertion Loss IL				
incl. loss in matching elements		2.9	3.5	dB
excl. loss in matching elements		2.6	3.2	dB
Passband (Relative to IL) (868.7~870 MHz)		1.0	3.0	dB
Passband (Relative to IL) (868.6~870 MHz)		1.0	4.0	dB
Attenuation (Relative to IL)				
10 ~ 700 MHz	45	54		dB
700 ~ 760 MHz	43	49		dB
760 ~ 820 MHz	38	43		dB
820 ~ 860 MHz	25	36		dB
860 ~ 867 MHz	10	24		dB
867.5 ~ 868 MHz	7	14		dB
870.6 ~ 872 MHz	5.5	14		dB
872 ~ 876 MHz	12	17		dB
876 ~ 890 MHz	20	26		dB
890 ~ 910 MHz	29	33		dB
910 ~ 1000 MHz	36	41		dB
1000 ~ 1300 MHz	50	54		dB
1300 ~ 2000 MHz	48	63		dB
2000 ~ 2500 MHz	45	74		dB
Input Power Level		10		dBm
DC Voltage		6		V
Operating Temperature Range	-10		+55	°C
Storage Temperature Range	-40		+85	°C