



Features and Benefits

Center frequency: 869MHz

I.L: 3.4dB 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		3.0	3.4	dB
Amplitude Ripple (868~870 MHz)			0.5	1.2	dB
VSWR (868~870 MHz)			1.5	2.0	
Attenuation (Reference level from 0 dB)					
D.C. ~ 300	MHz	45	50		dB
300 ~ 856.5	MHz	40	45		dB
856.5 ~ 859.5	MHz	15	20		dB
878 ~ 883.5	MHz	15	20		dB
883.5 ~ 1500	MHz	48	53		dB
1500 ~ 2600	MHz	35	40		dB
Input Power Level	(at 50°C during 50 000 hours)		20		dBm
Input Power pulse level				27	dBm
DC Voltage			10		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(MSL1)			