



## Features and Benefits

Center frequency: 897.5MHz

I.L: 3.0dB Max.

Operating temperature: -20°C to +75°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		897.5		MHz
Insertion Loss (880~915 MHz)	IL		2.1	3.0	dB
Amplitude Ripple (880~915 MHz)			1.0	2.0	dB
VSWR (880~915 MHz)			2.0	2.6	
Attenuation (Reference level from 0 dB)					
D.C. ~ 860	MHz	17	19		dB
925 ~ 935	MHz	5	12.4		dB
935 ~ 960	MHz	20	24		dB
980 ~ 2000	MHz	20	22		dB
Input Power Level			20		dBm
DC Voltage			3		V
Operating Temperature Range		-20		+75	°C
Storage Temperature Range		-40		+85	°C
Source impedance (single ended)			50		$\Omega$
Load impedance (single ended)			50		$\Omega$

Note: The Standard definitions is in JIS C 6703