



Features and Benefits

Center frequency: 793MHz

I.L: 2.5dB 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		793		MHz
Insertion Loss (788~798 MHz)	IL		1.8	2.5	dB
Amplitude Ripple (788~798 MHz)			0.7	1.5	dB
Return Loss (788~798 MHz)		10	13		dB
Group Delay at Fc			39	60	ns
Group Delay Variation (788~798 MHz)			18	60	ns
Attenuation (Reference level from 0dB)					
0 ~ 445	MHz	36	41		dB
445 ~ 465	MHz	36	41		dB
465 ~ 700	MHz	35	40		dB
758 ~ 768	MHz	35	45		dB
848 ~ 890	MHz	35	44		dB
1000 ~ 2000	MHz	30	41		dB
Temperature Coefficient of Frequency			-36		ppm/°C
Input Power Level			25		dBm
DC Voltage			3		V
Operating Temperature Range		-40		+85	°C
Storage Temperature Range		-40		+85	°C