



Features and Benefits

Center frequency: 947.5MHz
I.L: 3.5dB Max.
Operating temperature: -30°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: ±0.2mm



Specifications

Parameter		Min.	Typical	Max.	Units
Center Frequency	Fc		947.5		MHz
Insertion Loss (935~960 MHz)	IL		2.7	3.5	dB
Amplitude Ripple (935~960 MHz)			0.6	1.4	dB
VSWR (935~960 MHz)			1.6	2.3	
Attenuation (Reference level from 0 dB)					
D.C. ~ 871	MHz	50	62.1		dB
890 ~ 915	MHz	30	43.9		dB
980 ~ 1025	MHz	25	28.6		dB
1025 ~ 2000	MHz	45	54.1		dB
2000 ~ 3000	MHz	20	26.8		dB
Input Power Level			20		dBm
DC Voltage			5		V
Operating Temperature Range		-30		+85	°C
Storage Temperature Range		-40		+85	°C
Source impedance (single ended)			50		Ω
Load impedance (single ended)			50		Ω

Note: No matching network required for operation at 50 Ω