



Features and Benefits

Center frequency: 996.34MHz
I.L: 4.8dB 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: ±0.2mm



Specifications

Parameter		Min.	Typical	Max.	Units
Center Frequency	Fc		996.34		MHz
Insertion Loss at Fc	IL		1.9		dB
Insertion Loss (981.34~1011.34 MHz)	IL		2.6	4.8	dB
Amplitude Ripple (981.34~1011.34 MHz)			0.85	1.6	dB
VSWR (981.34~1011.34 MHz)			1.6	2.5	
Group Delay Ripple (981.34~1011.34 MHz)			15	80	nsec
1 dB Bandwidth		30	38		MHz
3 dB Bandwidth			48		MHz
Attenuation (Reference level from IL)					
10 ~ 956	MHz	40	50		dB
1046 ~ 1097	MHz	28	35		dB
1097 ~ 1146	MHz	40	60		dB
Input Power Level			10		dBm
DC Voltage			5		V
Operating Temperature Range		-40		+85	°C
Storage Temperature Range		-40		+85	°C