



Features and Benefits

Center frequency: 3700MHz
I.L: 5.5dB Max.
Operating temperature: -40°C to +105°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		3700		MHz
Insertion Loss (3600~3800 MHz) IL		4.7	5.5	dB
Amplitude Ripple (3600~3800 MHz)		0.7	3.5	dB
VSWR (3600~3800 MHz)		1.8	3	
Group Delay Ripple (3600~3800 MHz)		1	15	ns
Group Delay at Fc		2	30	ns
Attenuation (Reference level from 0 dB)				
10~2550 MHz	20	27		dB
2550~2690 MHz	25	27		dB
2690~3000 MHz	20	27		dB
3000~3400 MHz	10	16		dB
4000~4050 MHz	10	42		dB
4050~4400 MHz	20	40		dB
4400~5200 MHz	5	31		dB
5200~6000 MHz	1	29		dB
Temperature Coefficient of Frequency		-80		ppm/°C
Input Power Level (3600~3800 MHz , Continuous wave for 1000h @105°C)		21		dBm
Input Power Level (3600~3800 MHz , Continuous wave for 1000h @95°C)		22		dBm
Input Power Level (3600~3800 MHz , Continuous wave for 2h @105°C)		24		dBm
Input Power Level (3600~3800 MHz , Continuous wave for 2h @95°C)		25		dBm
DC Voltage		0		V
Operating Temperature Range	-40		+105	°C
Storage Temperature Range	-40		+105	°C
Moisture Sensitivity Level	Level 1(MSL1)			