

Product Information

Control No. : ARP-477400-F 1

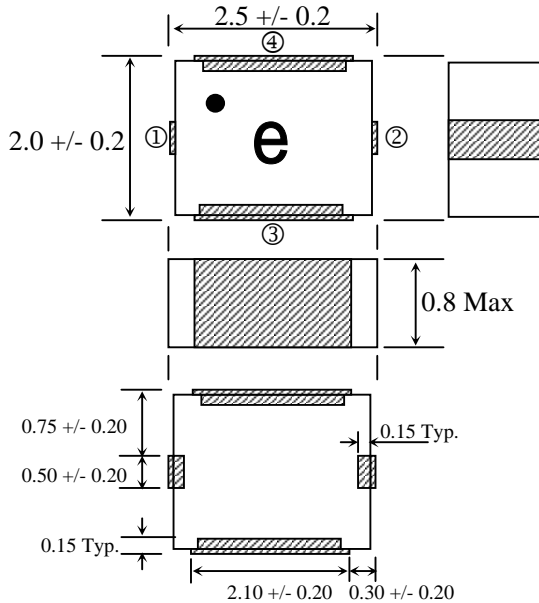
Issued on April 13, 2009

Application : 2.45GHz BPF for Bluetooth & Wireless LAN

1. Type No.
MDR774M - T

RoHS Compliant Parts & Lead Free

2. Dimension (Unit : mm)



Terminal	
①	Input
②	Output
③	GND
④	GND

3. Electrical characteristics

Pass band	Specification	Typical	Unit	Remark
fc (Center frequency)	2450	-	MHz	
Pass band frequency	2400-2500	-	MHz	
Nominal impedance	50	-	ohm	
Insertion Loss at 25degC.	1.5 Max.	1.09	dB	
Insertion Loss at -40 to +85degC.	1.7 Max.	-	dB	
VSWR in BW	2.0 Max.	1.26	-	
Ripple	0.5 Max.	0.07	dB	

Attenuation	Specification	Typical	Unit	Remark
880 MHz - 915 MHz	30 Min.	42.85	dB	
1710 MHz - 1785 MHz	30 Min.	37.29	dB	
1850 MHz - 1910 MHz	25 Min.	28.78	dB	
4800 MHz - 5000 MHz	30 Min.	39.90	dB	2*f
7200 MHz - 7500 MHz	20 Min.	28.68	dB	3*f(Reference)

4. Note

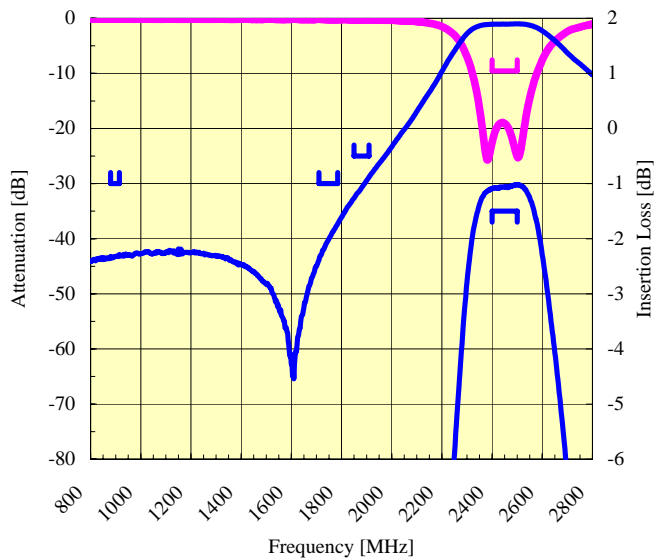
- 4.1 Operating Temperature Range : -40 to +85 deg.C
- 4.2 Storage Temperature Range before soldering in taping package : -20 to +35 deg.C
- 4.3 Minimum Ordering Quantity : 2,000 pcs (per reel, per bag)

Approved by	Confirmed by	Raised by
T.Hirai	T.Haketa	M.Urano

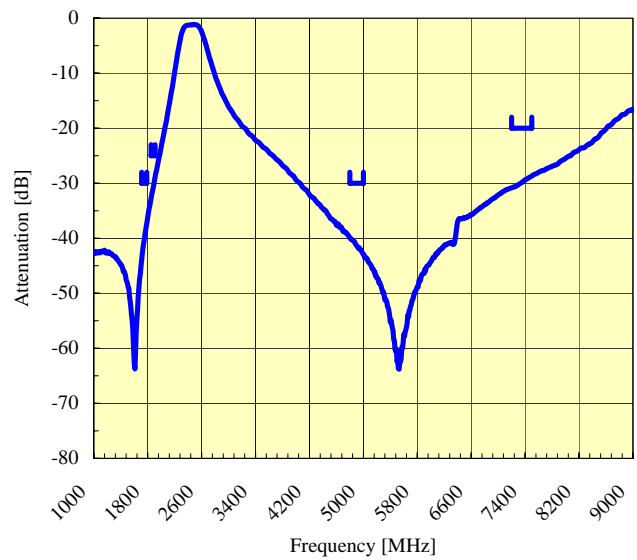
SOSHIN ELECTRIC CO., LTD

5.Representative characteristics

Pass Band Frequency Response

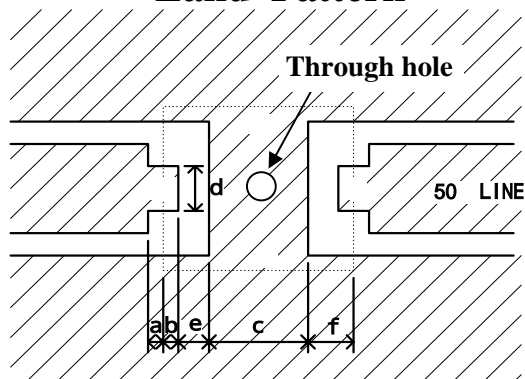


Broad Band Frequency Response

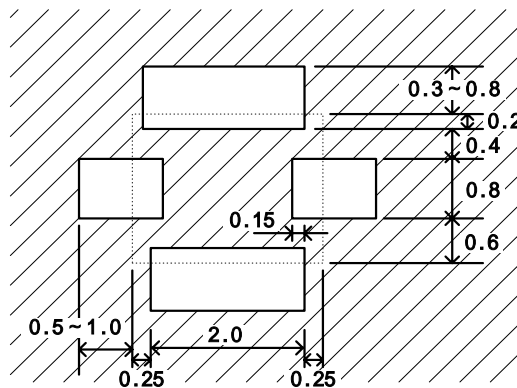


6.Recommendation Land Pattern (Unit:mm)

*Land Pattern



*Resist Pattern



Terminal	
	Input
	Output
	GND

a=0.2
 b=0.2
 c=1.3
 d=0.6
 e=0.4
 f=0.6
 (Unit : mm)