

"High Frequency Ceramic Solutions"

2450 / 5400 MHz Diplexer (LPF / BPF)

P/N 2450DP15D5400

Detail Specification: 08/25/04

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General Specifications

Part Number	2450DP15D5400			
Attenuation in Low Band Path	* 0.70 dB max. @ 2.4 ~ 2.5 GHz	20 dB min. @ 4.8 ~ 6.0 GHz	20 dB min. @ 7.2 ~ 7.5 GHz	24 dB typical @ 9.6 ~ 10.0 GHz
Attenuation in High Band Path	* 1.40 dB max. @ 4.9 ~ 5.875 GHz	19 dB min. @ 1.8 ~ 2.5 GHz	25 dB min. @ 10.3 ~ 10.7 GHz	30 dB typical @ 9.8 ~ 11.7 GHz

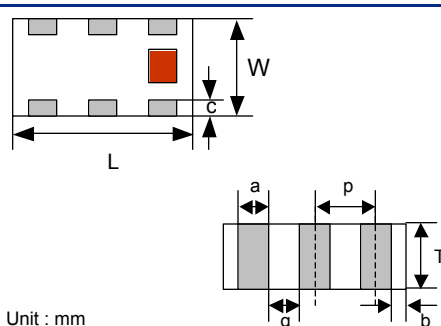
Pass-band Return Loss In Both Bands	9.5 dB min.
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* Note: The I.L. parameters are based on probed & TRL cal'd measurement

Input Power	3 Watts max.
Impedance	50 Ω
Operating Temp	-40 to +85°C
Storage Temp	-40 to +85°C
Reel Quantity	4000

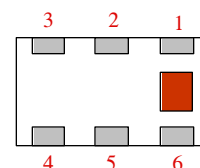
Mechanical Dimensions

	In	mm
L	0.079 $\pm$ 0.004	2.00 $\pm$ 0.10
W	0.049 $\pm$ 0.004	1.25 $\pm$ 0.10
T	0.035 $\pm$ 0.004	0.90 $\pm$ 0.10
a	0.012 $\pm$ 0.004	0.30 $\pm$ 0.10
b	0.008 $\pm$ 0.004	0.20 $\pm$ 0.10
c	0.012 $\pm$ 0.004/-0.008	0.30 $\pm$ 0.1/-0.2
g	0.014 $\pm$ 0.004	0.35 $\pm$ 0.10
p	0.026 $\pm$ 0.002	0.65 $\pm$ 0.05



Terminal Configuration

No.	Function
1	Lower Freq. Port (P1)
2	GND
3	Higher Freq. Port (P3)
4	GND
5	Common Port (P2)
6	GND

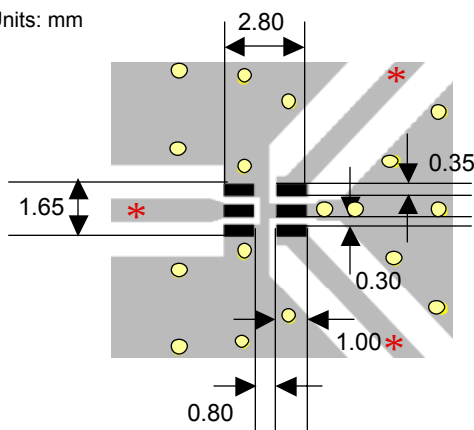


Mounting Considerations

Mount these devices with brown mark facing up.

Line width should be designed to provide 50 Ω impedance matching characteristics.

Units: mm



- Solder Resist
- Land
- Through-hole (ϕ 0.3)

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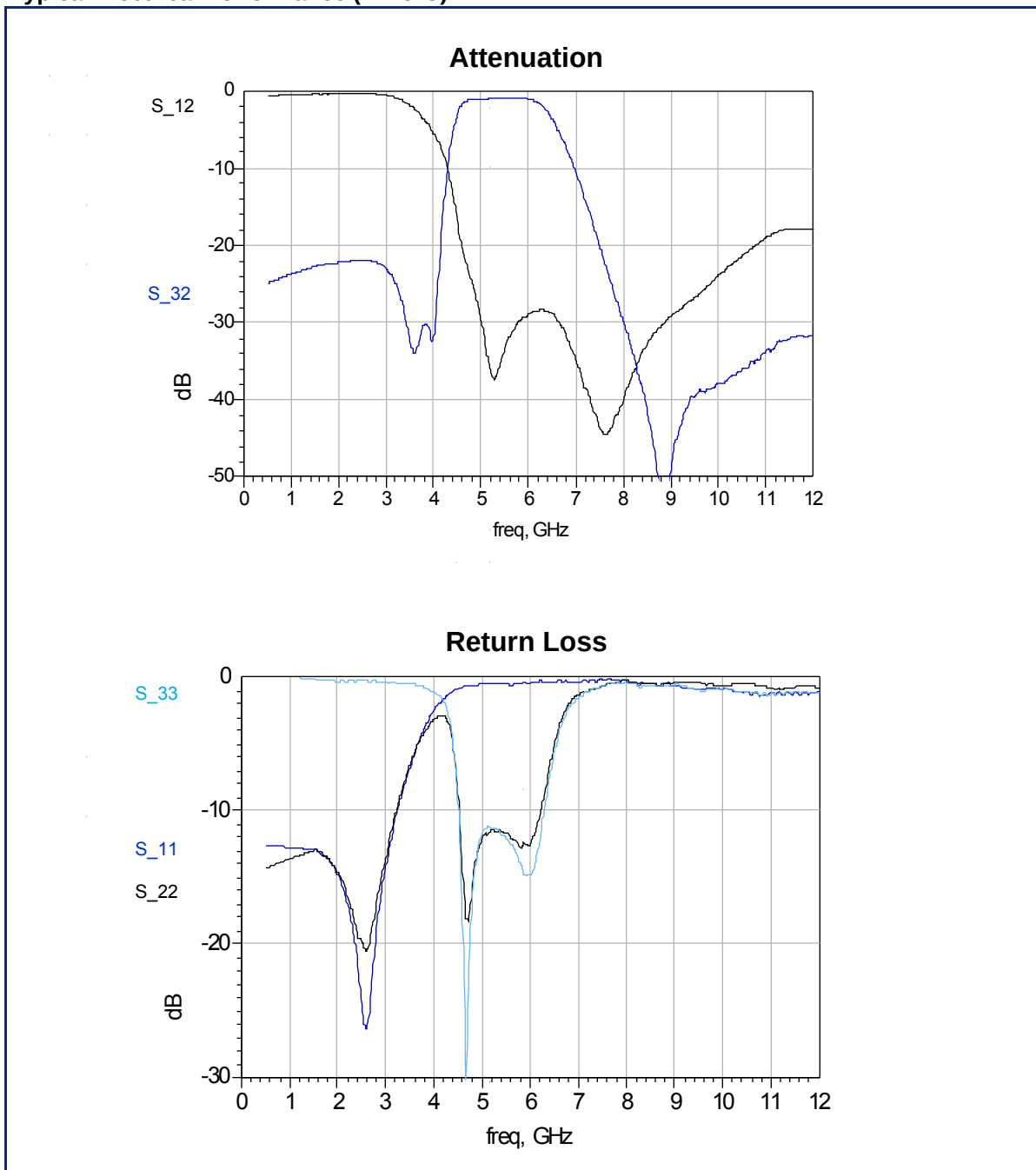
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Typical Electrical Performance (T=25°C)



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