

# "High Frequency Ceramic Solutions"

## 2450 / 5400 MHz Diplexer

P/N 2450DP15G5400

Detail Specification: 04/02/08

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### General Specifications

Part Number	2450DP15G5400
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Passband (MHz)	Insertion Loss	Attenuation I	Attenuation II	Return Loss
2400 - 2500	0.7 max	18 min @ 4.8 ~ 6.0 GHz	18 min @ 7.2 ~ 7.5 GHz	9.5 min.
4900 - 5900	1.0 max	19 min @ 1.8 ~ 2.5 GHz	25 ref. @ 10.3 ~ 10.7 GHz	9.5 min.

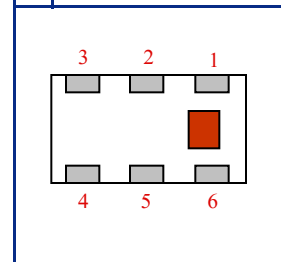
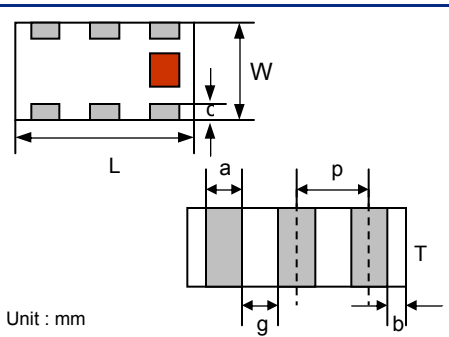
Input Power	2 Watts max.
Impedance	50 $\Omega$
Operating Temp	-40 to +85°C
Storage Temp	+5 ~ +35°C, Humidity: 45~75%RH, 12 mos. Max
Reel Quantity	4000

### Terminal Configuration

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

### 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	0.022 $\pm$ 0.004	0.55 $\pm$ 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 +.004/-0.008	0.30 +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

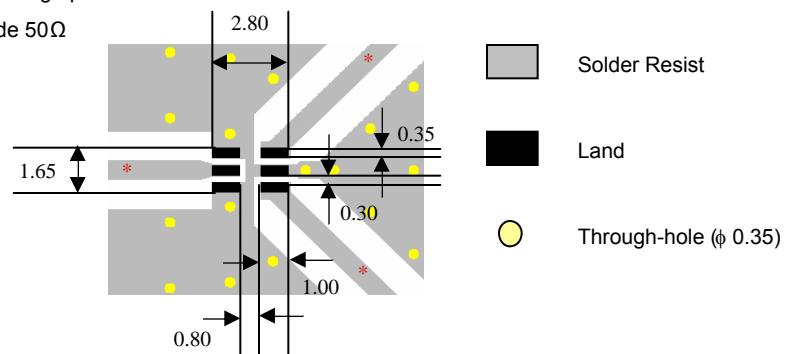


### Mounting Considerations

Mount these devices with brown mark facing up.

Line width should be designed to provide 50 $\Omega$  impedance matching characteristics.

Units: mm



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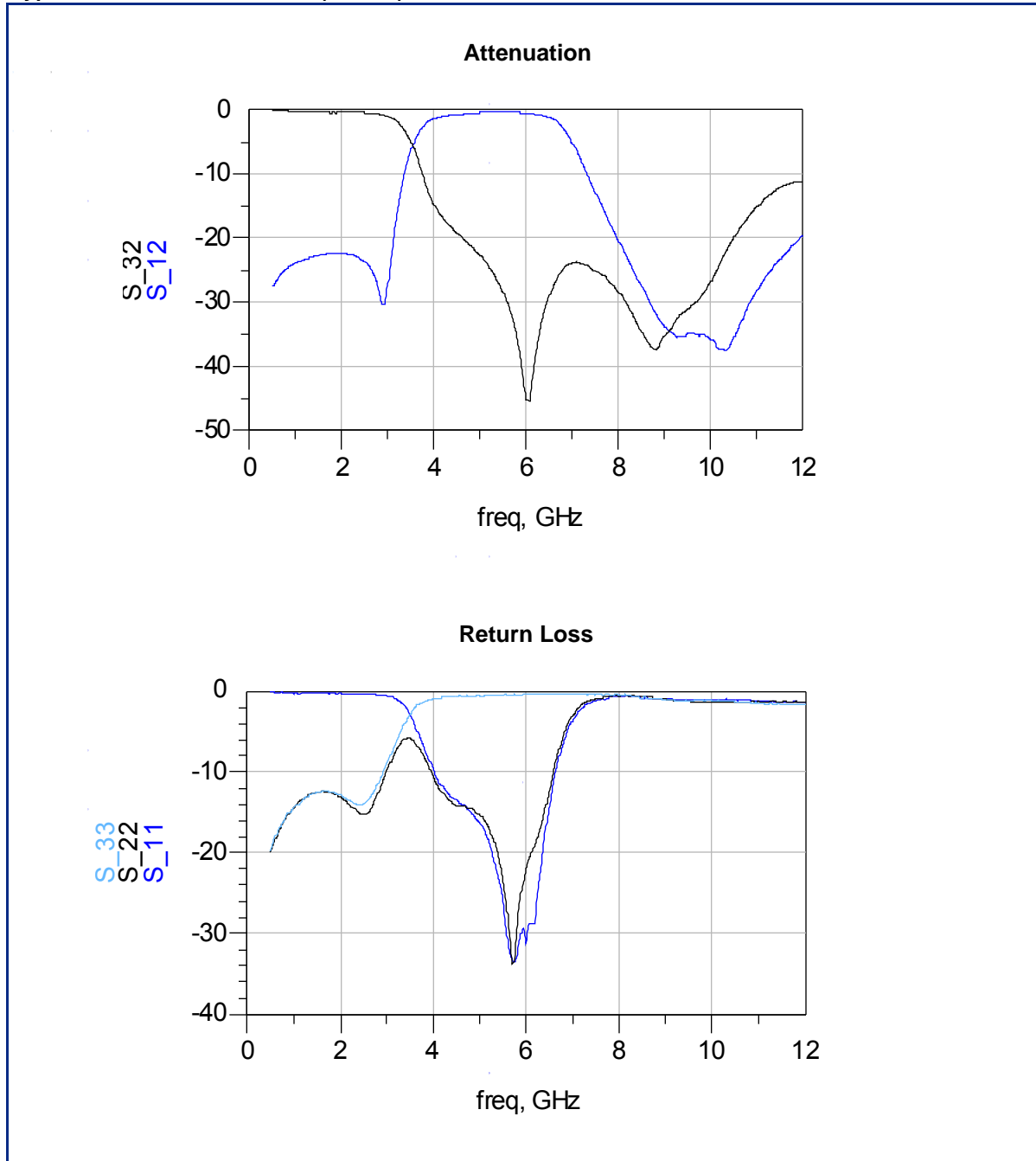
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Typical Electrical Performance (T=25°C)



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