

"High Frequency Ceramic Solutions"

1200 /1200 MHz Diplexer (BPF/BRF)

P/N 0500DP44A1215

Detail Specification: 09/14/09

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General Specifications

Part Number	0500DP44A1215
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Passband (MHz)	Insertion Loss	Ripple (dB)	Return Loss	Attenuation (dB)
950-1450	3.6 max.(25 °C)	2.0 max.	8.5 min	30.0 min. @ 200~750MHz
	3.9 max.(-40~+85 °C)			30.0 min. @ 1650~2150MHz
200~750	2.0 max.(25 °C)	1.8 max.	9.5 min	30.0 min. @ 950~1450MHz
	2.3 max.(-40~+85 °C)			
1650~2150	3.5 max.(25 °C)	2.2 max.	7.4 min	
	3.8 max.(-40~+85 °C)			

Input Power	2 Watts max.
Impedance	50 Ω
Reel Quantity	2000

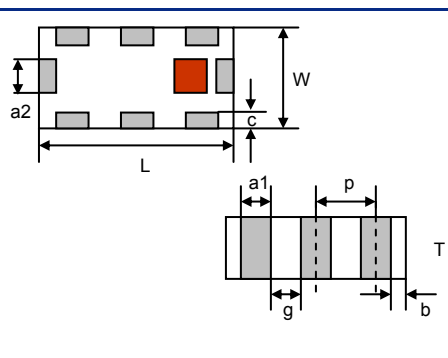
Operating Temp	-40 to +85°C
Storage Temp	+5 ~ +35 °C, Humidity: 45~75%RH, 12 mos. max

Terminal Configuration	
No.	Function
1	GND
2	Common Port
3	GND
4	GND
5	BPF
6	GND
7	BRF
8	GND



Mechanical Dimensions

	In	mm
L	0.177 ± 0.012	4.50 ± 0.30
W	0.122 ± 0.012	3.10 ± 0.30
T	0.059 ± 0.004	1.50 ± 0.10
a1	0.022 ± 0.008	0.55 ± 0.20
a2	0.079 ± 0.008	2.00 ± 0.20
b	0.004 min.	0.1 min.
c	0.012 +.004/-0.008	0.30 +0.1/-0.2
g	0.043 ± 0.006	1.10 ± 0.15
p	0.065 ± 0.008	1.65 ± 0.20

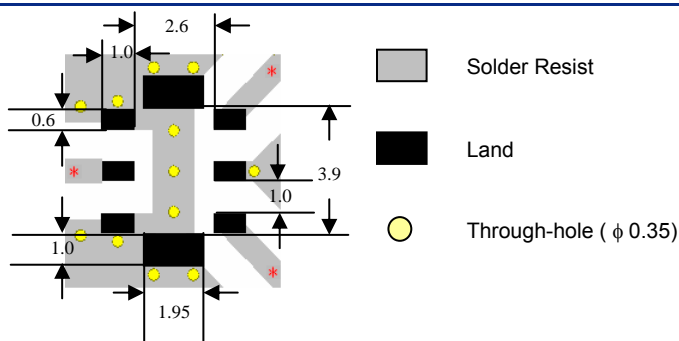


Mounting Considerations

Mount these devices with brown mark facing up.

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

Units: mm



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4001 Calle Tecate • Camarillo, CA 93012 • TEL 805.389.1166 FAX 805.389.1821

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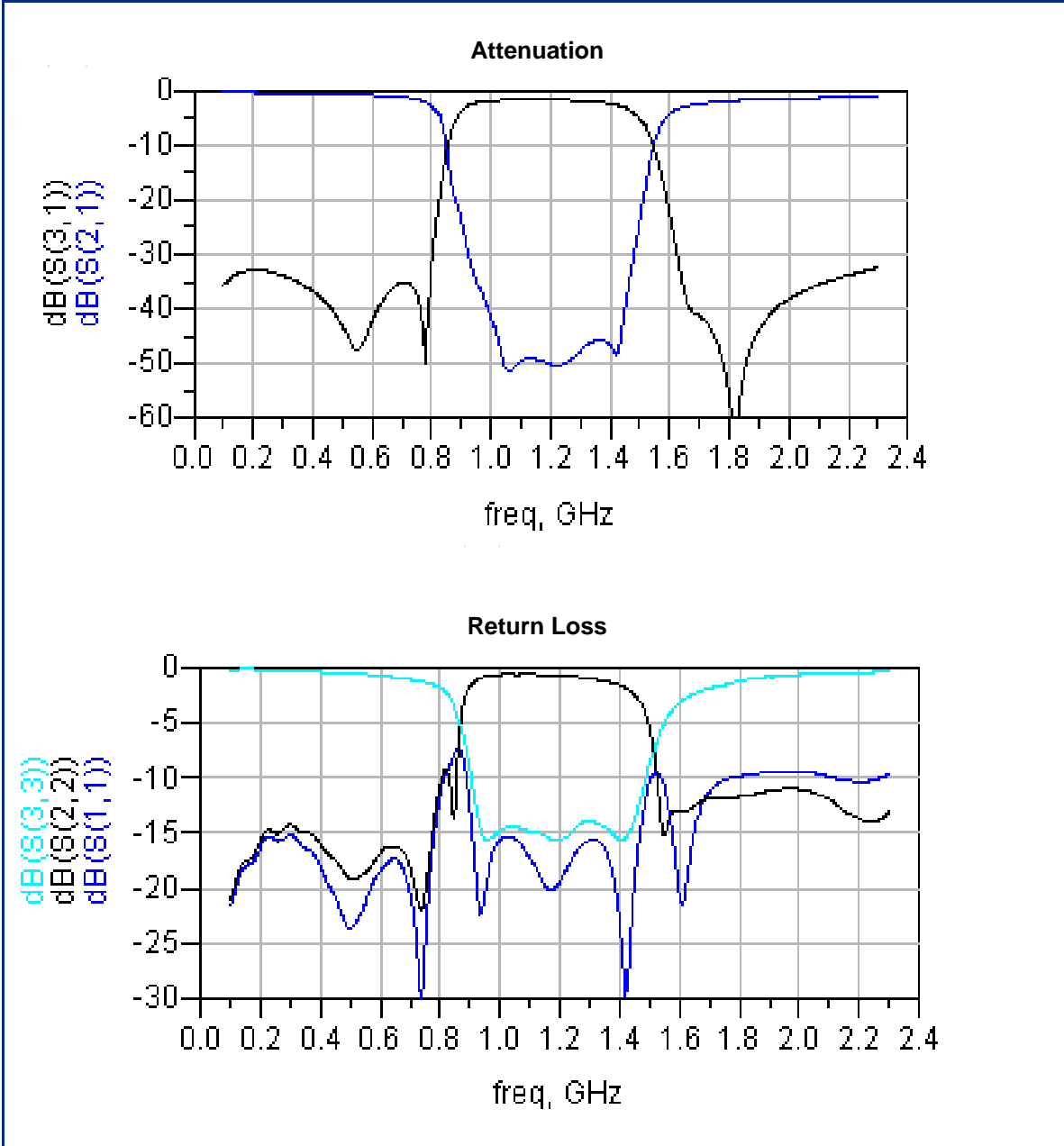
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Typical Electrical Performance (T=25°C)



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