"High Frequency Ceramic Solutions"

Splitter, 3dB Hybrid; 2400 - 2500 MHz **P/N 2450CH15A0100**

Detail Specification: 08/14/08

General Specifications

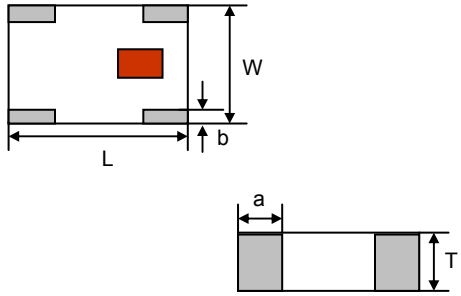
Part Number	2450CH15A0100
Frequency (MHz)	2400 - 2500
Insertion Loss @ BW	3.3 ± 0.5 dB max.
Return Loss (dB)	14.0 min.
Amplitude Balance (dB)	1.0 max.
Phase Deviation	90° ± 3
Isolation (dB)	15.0 min.

Phase Balance	03 : 03 dB
Power Capacity	1 Watts max.
Impedance	50 Ω
Reel Quantity	4000
Operating Temperature	-40 to +85°C
Storage Temperature	+5 ~ +35°C, Humidity 45-75%RH
Storage Period	12 months max.*

* - 1 yr shelf life in bag;
1 week shelf life out of bag;
Vacuum reseal unused reel

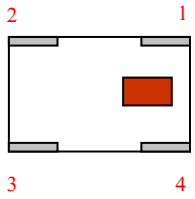
Mechanical Dimensions

	In	mm
L	0.079 ± 0.004	2.00 ± 0.10
W	0.049 ± 0.004	1.25 ± 0.10
T	0.028 ± 0.004	0.70 ± 0.10
a	0.022 ± 0.010	0.56 ± 0.25
b	0.014 ± 0.006	0.35 ± 0.15



Terminal Configuration

No.	Function
1	50 ohm
2	IN
3	OUT2
4	OUT1

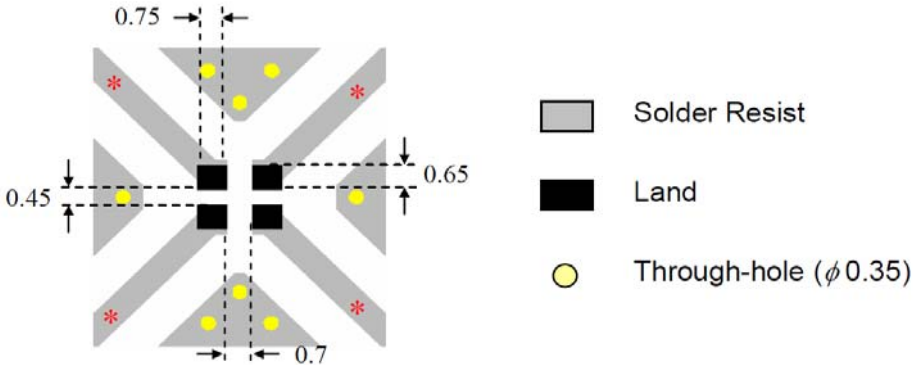


Mounting Considerations

Mount these devices with brown mark facing up.

Line width should provide 50Ω impedance matching characteristics.

Units: mm



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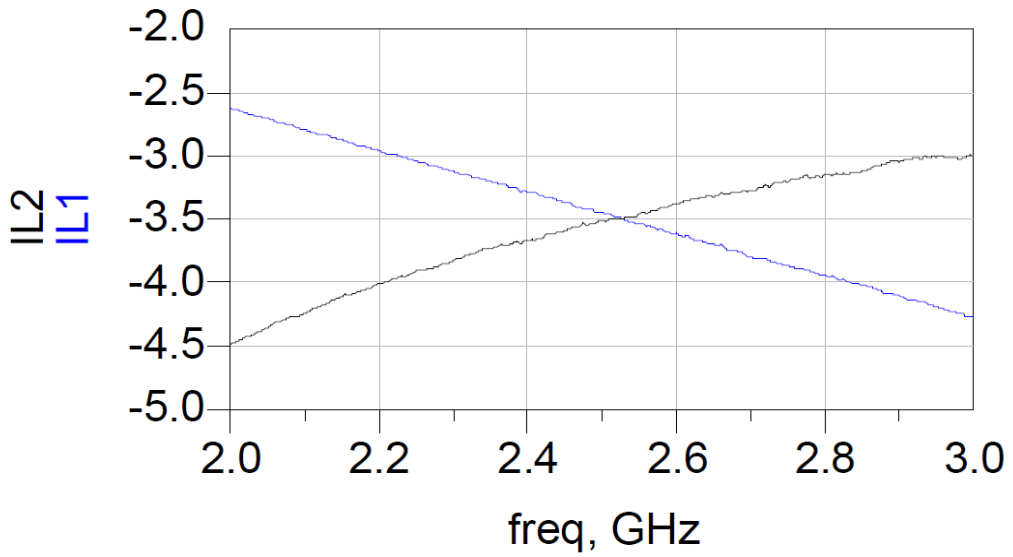
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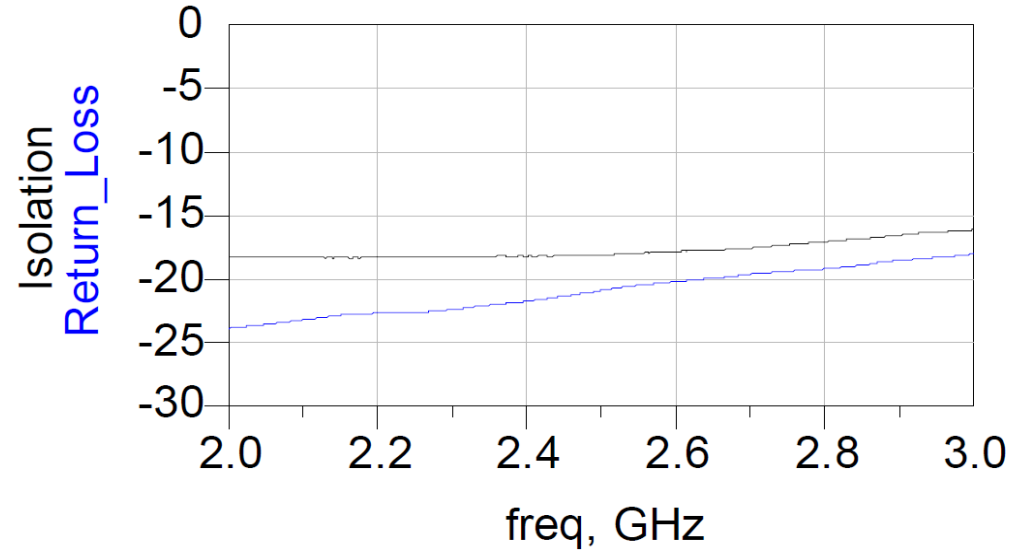
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Typical Electrical Characteristics (T=25°C)

Insertion Loss 1 & 2



Return Loss & Isolation



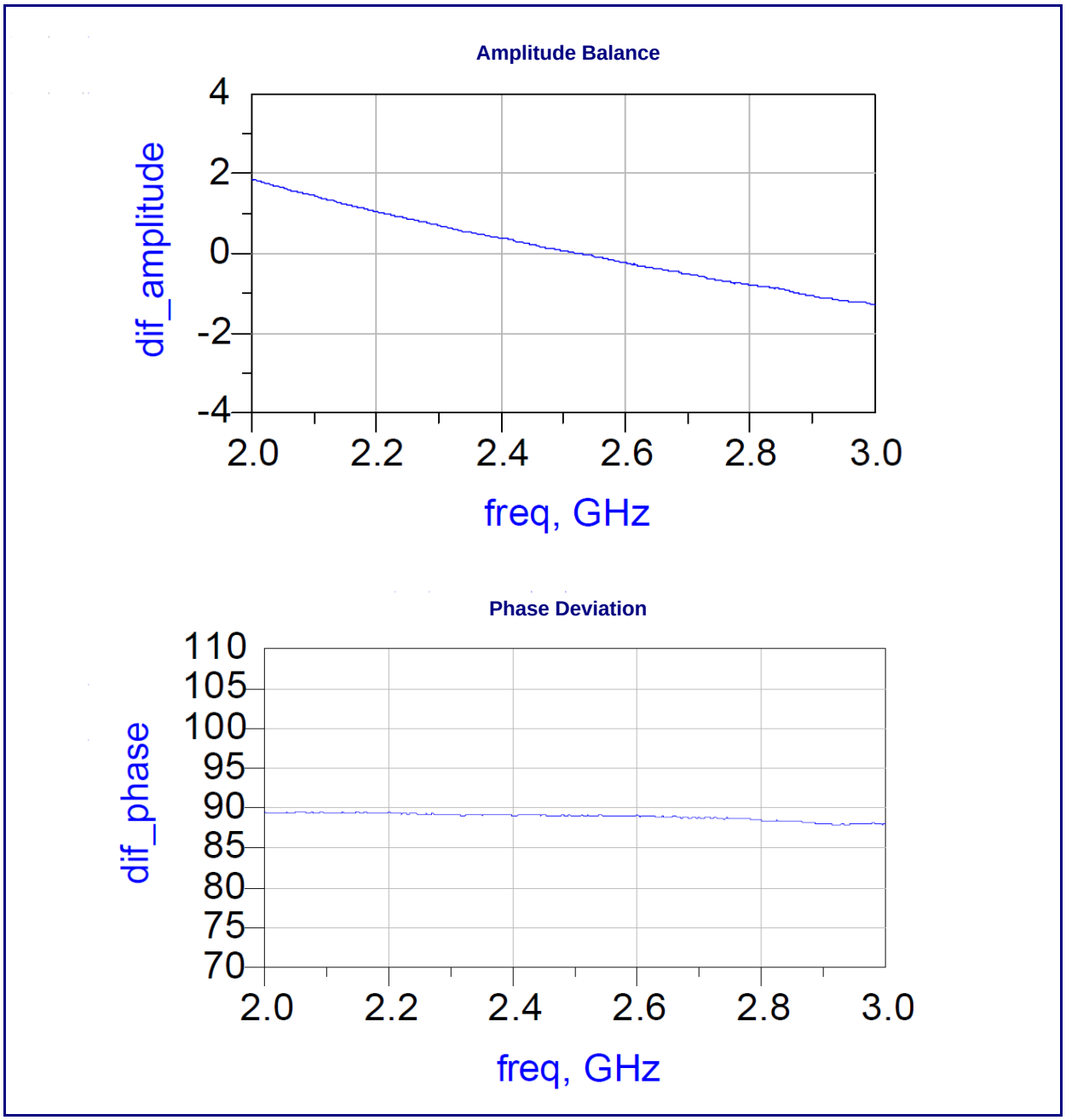
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