

"High Frequency Ceramic Solutions"

2.45 GHz High Pass Filter

P/N 2450HP15A100

Detail Specification: 11/14/12

Page 1 of 2

General Specifications

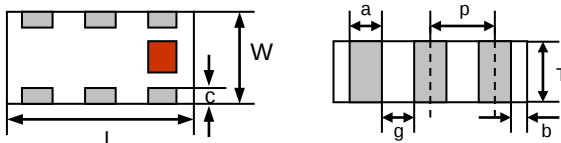
Part Number	2450HP15A100	Return Loss	9.5 dB max.
Frequency (MHz)	2400 - 2500	Impedance	50 Ω
Insertion Loss	0.85 dB max.	Operating Temperature	-40 to +85°C
Attenuation (db)	25 dB @ 875 - 920 MHz	Reel Quantity	4,000
Attenuation (db)	20 dB @ 1705 - 1790 MHz	Input Power	3 W max.
Attenuation (db)	19 dB @ 1845 - 1915 MHz		

Part Number Explanation

P/N Suffix	Packing Style	Bulk (Loose)	Suffix = S	eg. 2450HP15A100S
		T & R	Suffix = E	eg. 2450HP15A100E
	Evaluation Board	2450HP15A100-EB-SMA		

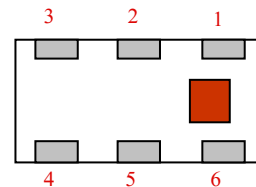
Mechanical Dimensions

	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	0.037 $\pm$ 0.004	0.95 $\pm$ 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	0.008 $\pm$.004 / -.008	0.20 $\pm$ 0.1 / -0.2
g	0.014 $\pm$ 0.008	0.35 $\pm$ 0.20
p	0.026 $\pm$ 0.006	0.65 $\pm$ 0.15



Terminal Configuration

No.	Function
1	GND
2	IN
3	GND
4	GND
5	OUT
6	GND



Mounting Considerations

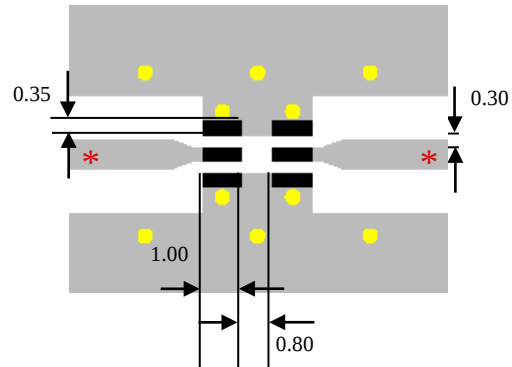
Mount these devices with brown mark facing up.

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

Units: mm

LEGEND

-  Solder
-  Land
-  Through-hole ($\phi 0.5$)



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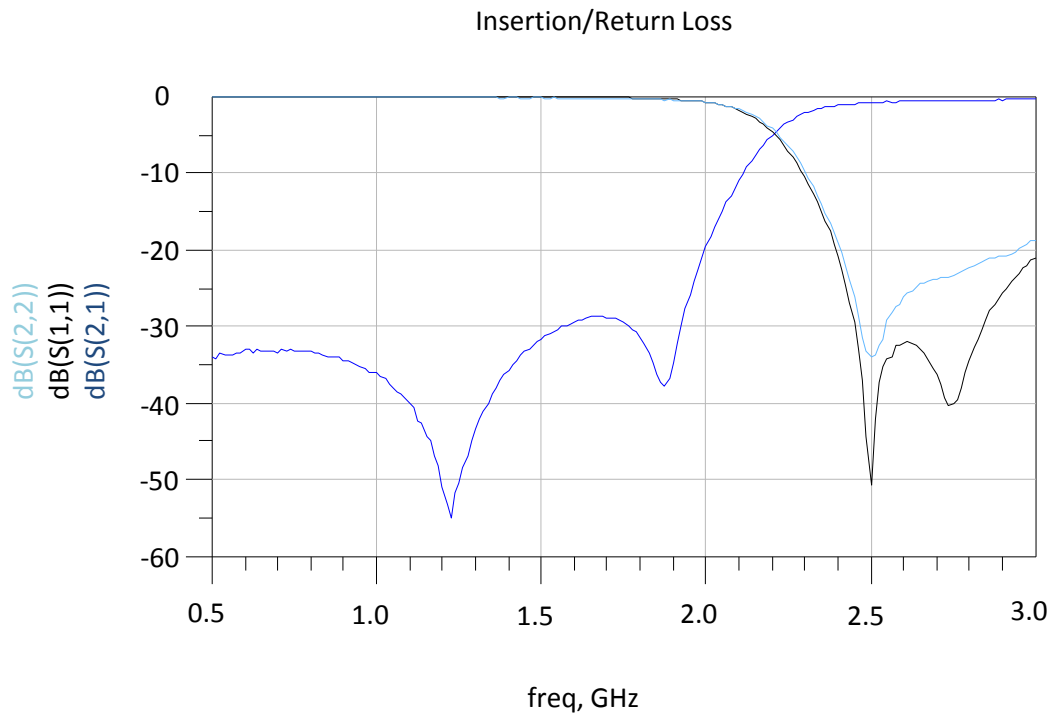
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Page 2 of 2

Typical Electrical Performance (T=25°C)



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Ver 2.1

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

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