

# "High Frequency Ceramic Solutions"

## 2.45 GHz High Pass Filter

P/N 2450HP15A100

Detail Specification: 11/14/12

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### General Specifications

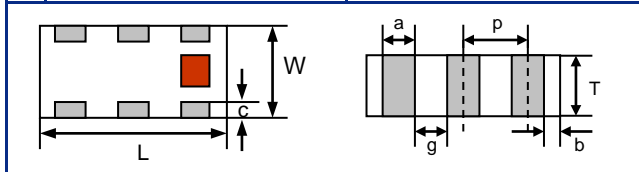
Part Number	2450HP15A100	Return Loss	9.5 dB max.
Frequency (MHz)	2400 - 2500	Impedance	50 Ω
Insertion Loss	0.85 dB max.	Operating Temperature	-40 to +85°C
Attenuation (db)	25 dB @ 875 - 920 MHz	Reel Quantity	4,000
Attenuation (db)	20 dB @ 1705 - 1790 MHz	Input Power	3 W max.
Attenuation (db)	19 dB @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

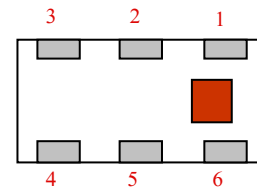
### Mechanical Dimensions

	In	mm
L	0.079 ± 0.004	2.00 ± 0.10
W	0.049 ± 0.004	1.25 ± 0.10
T	0.037 ± 0.004	0.95 ± 0.10
a	0.012 ± 0.004	0.30 ± 0.10
b	0.008 + 0.004	0.20 + 0.10
c	0.008 ± .004 / -.008	0.20 ± 0.1 / -0.2
g	0.014 ± 0.008	0.35 ± 0.20
p	0.026 ± 0.006	0.65 ± 0.15



### Terminal Configuration

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






### Mounting Considerations

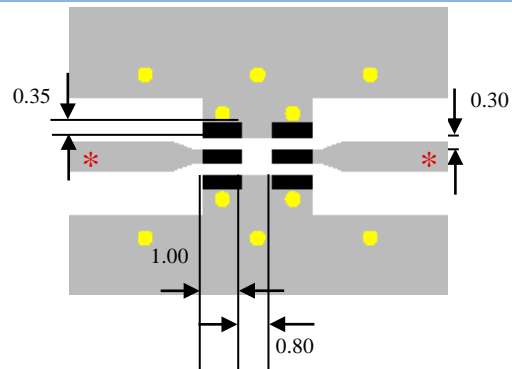
Mount these devices with brown mark facing up.

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

Units: mm

#### LEGEND

-  Solder
-  Land
-  Through-hole (φ0.5)



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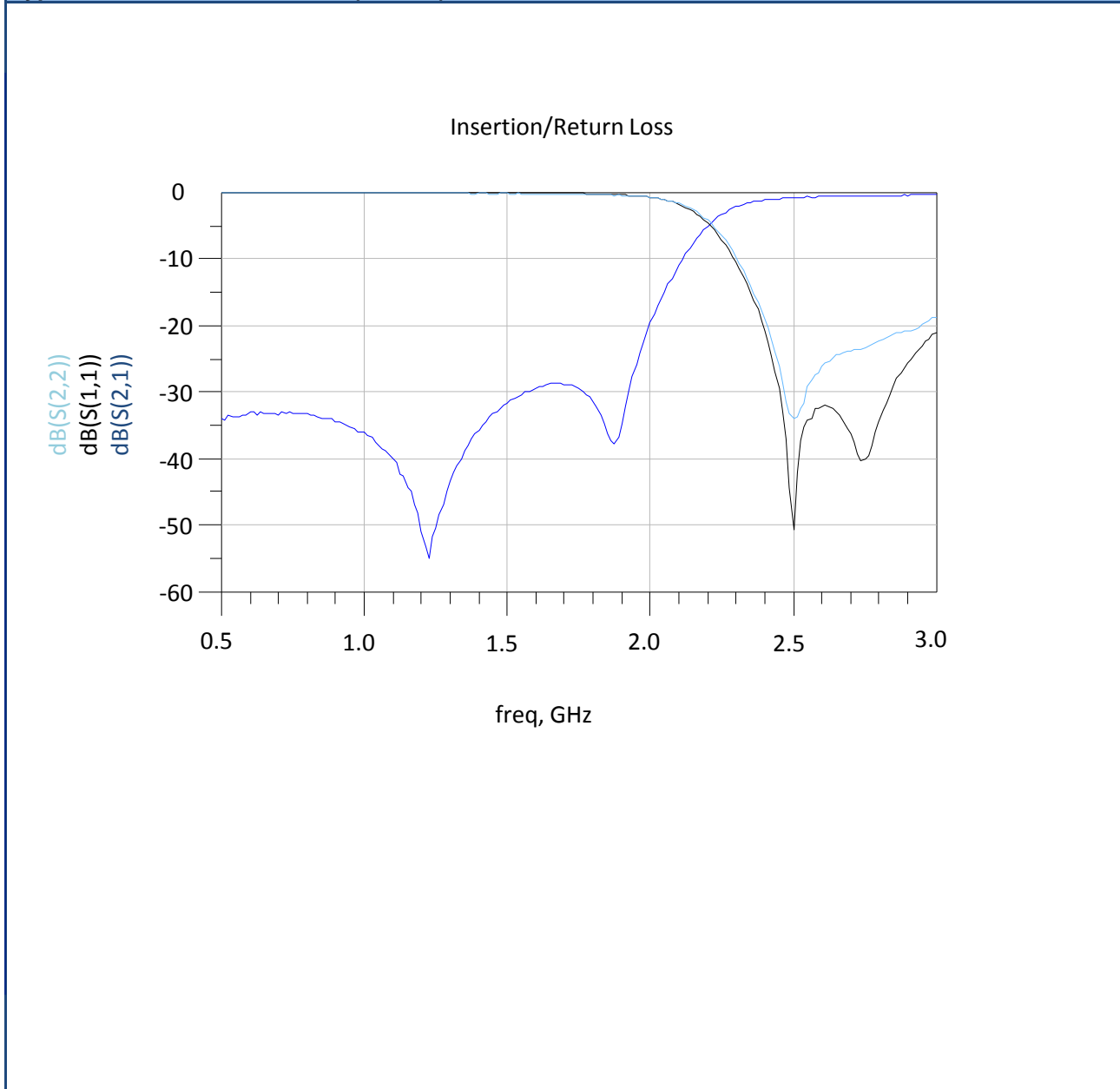
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## Typical Electrical Performance (T=25°C)



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Ver 2.1

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