

"PRELIMINARY"

2.45 GHz High Pass Filter

P/N 2450HP14A100

Detail Specification: 08/07/06

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General Specifications

| | |
|---------------------------|------------------|
| Part Number | 2450HP14A100 |
| Freq Range (MHz) | 2400 - 2500 |
| Insertion Loss | 1.3 dB max. |
| Return Loss | 14.0 dB min. |
| Attenuation (min.) | 20 dB @ 1917 MHz |

| | |
|------------------------------|--------------|
| Impedance | 50 Ω |
| Operating Temperature | -40 to +85°C |
| Reel Quantity | 4,000 |
| Input Power | 3 W max. |

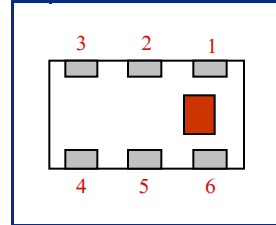
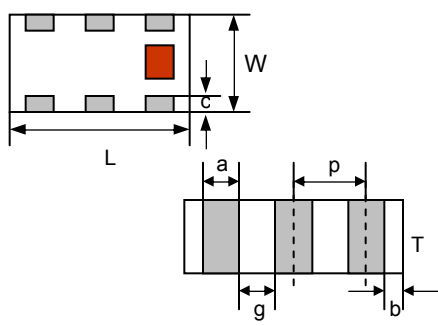
| | | | |
|--------------------------|------------|-----------------|---------------------|
| Termination Style | 100% Tin | Suffix = "None" | eg. 2450HP14A100 |
| | Tin / Lead | Suffix = "/Pb" | eg. 2450HP14A100/Pb |

Terminal Configuration

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

Mechanical Dimensions

| | In | mm |
|----------|--------------------|----------------|
| L | 0.063 ± 0.004 | 1.60 ± 0.10 |
| W | 0.031 ± 0.004 | 0.80 ± 0.10 |
| T | 0.022 ± 0.004 | 0.55 ± 0.10 |
| a | 0.008 ± 0.004 | 0.20 ± 0.10 |
| b | 0.008 +.004/-0.008 | 0.20 +0.1/-0.2 |
| c | 0.006 ± 0.004 | 0.15 ± 0.10 |
| g | 0.012 ± 0.004 | 0.30 ± 0.10 |
| p | 0.020 ± 0.002 | 0.50 ± 0.05 |

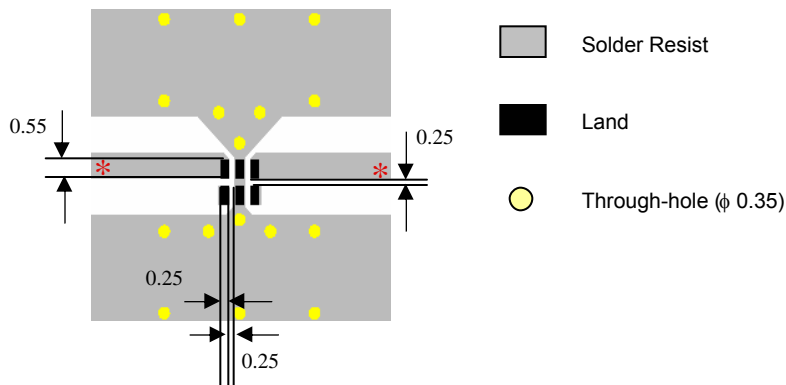


Mounting Considerations

Mount these devices with brown mark facing up.

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

Units: mm



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"High Frequency Ceramic Solutions"

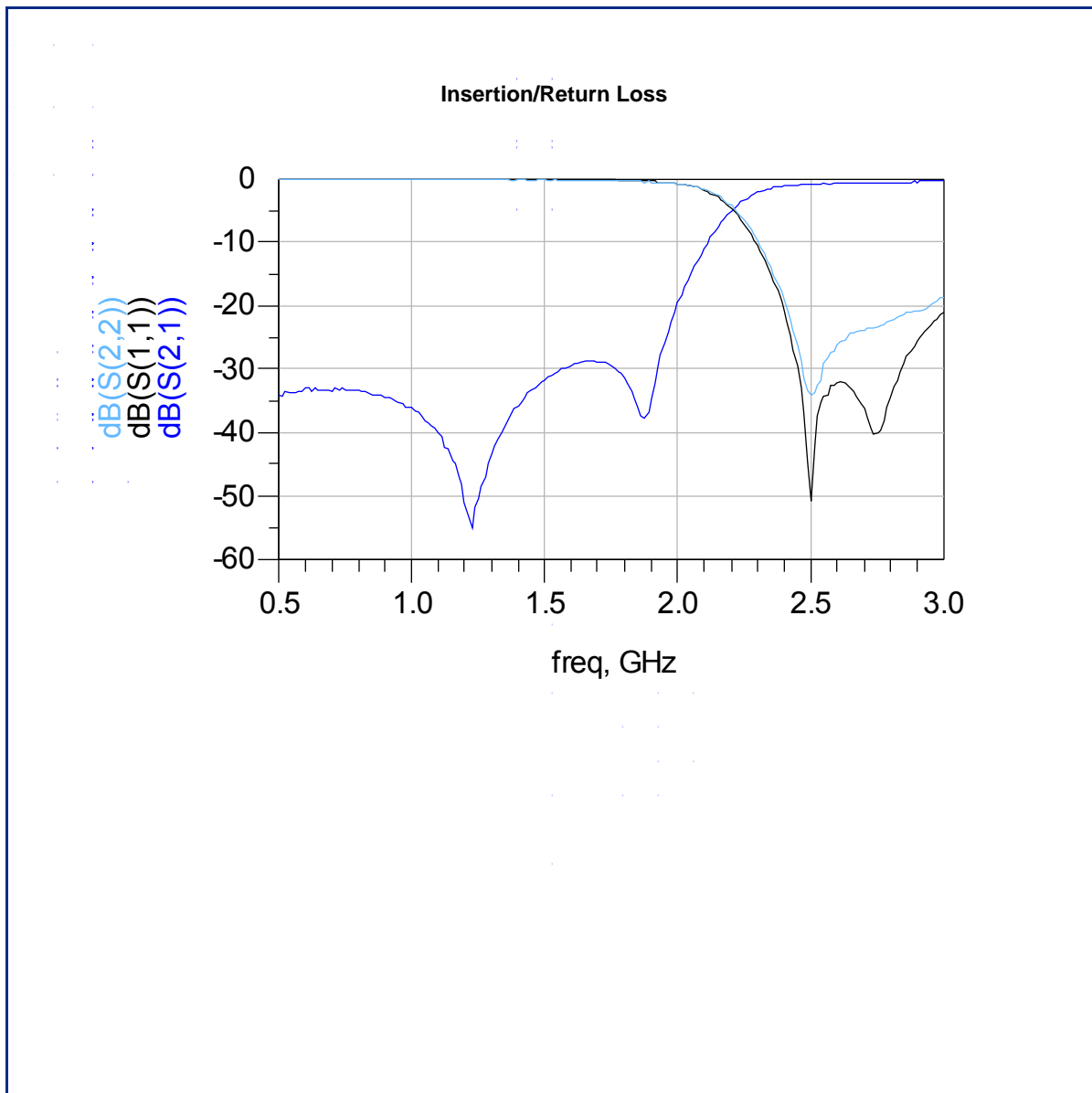
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Typical Electrical Performance (T=25°C)



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