

"High Frequency Ceramic Solutions"

2450 MHz Band Pass Filter

P/N 2450BP14D0100

Detail Specification: 11/16/12

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General Specifications

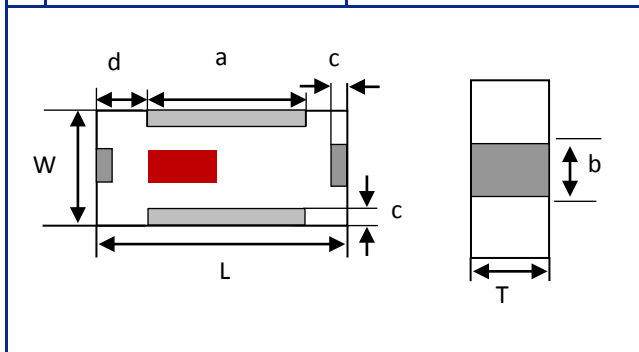
| | | | |
|--------------------|-------------------------|-----------------------|--------------|
| Part Number | 2450BP14D0100 | Insertion Loss | 1.7 dB max. |
| Frequency (MHz) | 2400 - 2500 | Return Loss | 9.5 dB max. |
| Attenuation (min.) | 30 dB @ 880 - 915 MHz | Impedance | 50 Ω |
| Attenuation (min.) | 30 dB @ 1710 - 1785 MHz | Input Power | 2W max. (CW) |
| Attenuation (min.) | 25 dB @ 1850 - 1910 MHz | Operating Temperature | -40 to +85°C |
| Attenuation (min.) | 25 dB @ 4800 - 5000 MHz | Storage Temperature | -40 to +85°C |
| Attenuation (min.) | 15 dB @ 7200 - 7500 MHz | Reel Quantity | 4,000 |

Part Number Explanation

| | | | | |
|-------------------------|-------------------|----------------------|---------------|------------------------------|
| P/N Suffix | Packing Style | Bulk | Suffix = S | eg. 2450BP14D0100S |
| | | T & R | Suffix = T | eg. 2450BP14D0100T |
| | | 100% Tin | Suffix = None | eg. 2450BP14D0100(T or S) |
| | Termination style | Tin / Lead | Suffix = /Pb | eg. 2450BP14D0100(T or S)/Pb |
| Eval board (50 ohm SMA) | | 2450BP14D0100-EB-SMA | | |

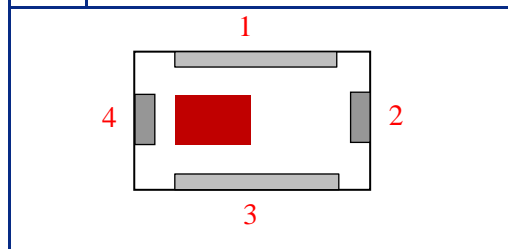
Mechanical Dimensions

| | In | mm |
|---|-------------------|-----------------|
| L | 0.063 \pm 0.004 | 1.60 \pm 0.10 |
| W | 0.031 \pm 0.004 | 0.80 \pm 0.10 |
| T | 0.024 \pm 0.004 | 0.60 \pm 0.10 |
| a | 0.028 \pm 0.006 | 0.70 \pm 0.15 |
| b | 0.012 \pm 0.004 | 0.30 \pm 0.10 |
| c | 0.006 + 0.004 | 0.15 + 0.10 |
| d | 0.018 + 0.006 | 0.45 + 0.15 |



Terminal Configuration

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



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Ver 1.0

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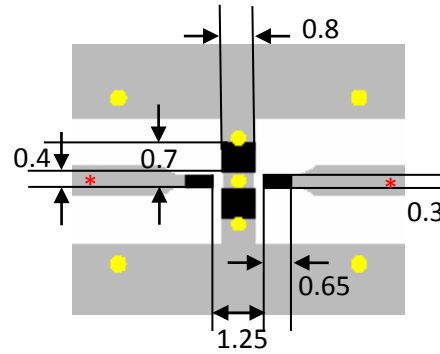
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Mounting Considerations

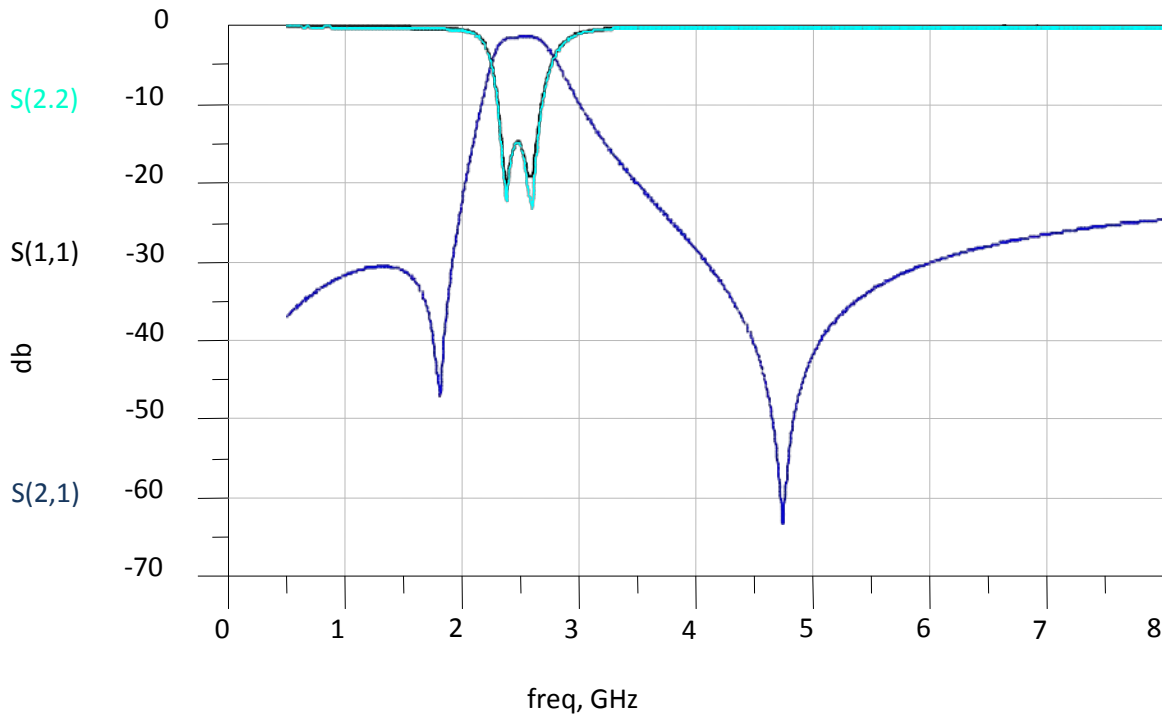
Mount these devices with brown mark facing up.

*Line width should be designed to provide 50 ohm impedance, depending on PCB material and thickness



Units: mm

Typical Electrical Performance (T=25°C)



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