

High Frequency Ceramic Solutions

2450 MHz Band Pass Filter

P/N 2450BP18D100A

Detail Specification: 01/29/07

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General Specifications

| | |
|--------------------|-------------------------|
| Part Number | 2450BP18D100A |
| Frequency (MHz) | 2400 - 2500 |
| Attenuation (min.) | 35 dB @ 900 - 928 MHz |
| Attenuation (min.) | 35 dB @ 1200 - 1800 MHz |
| Attenuation (min.) | 25 dB @ 2100 MHz |
| Attenuation (min.) | 30 dB @ 4800 - 5000 MHz |
| Attenuation (min.) | 30 dB @ 7200 - 7500 MHz |

| | |
|-----------------------|--------------|
| Insertion Loss | 2.3 dB max. |
| Return Loss | 9.5 dB min. |
| Impedance | 50 Ω |
| Input Power | 500 mW max. |
| Operating Temperature | -40 to +85°C |
| Storage Temperature | -40 to +85°C |
| Reel Quantity | 3,000 |

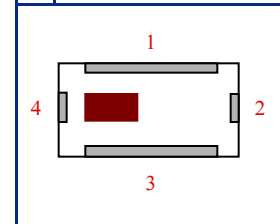
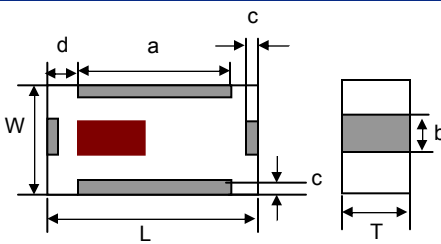
| | | | | |
|--------|-----------------|------------|---------------|------------------------------|
| P/N | Packaging Style | Bulk | Suffix = S | Eg. 2450BP18D100AS |
| | | T & R | Suffix = E | Eg. 2450BP18D100AE |
| Suffix | Termination | 100% Tin | Suffix = None | Eg. 2450BP18D100A(E or S) |
| | Style | Tin / Lead | Suffix = /Pb | Eg. 2450BP18D100A(E or S)/Pb |

Terminal Configuration

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

Mechanical Dimensions

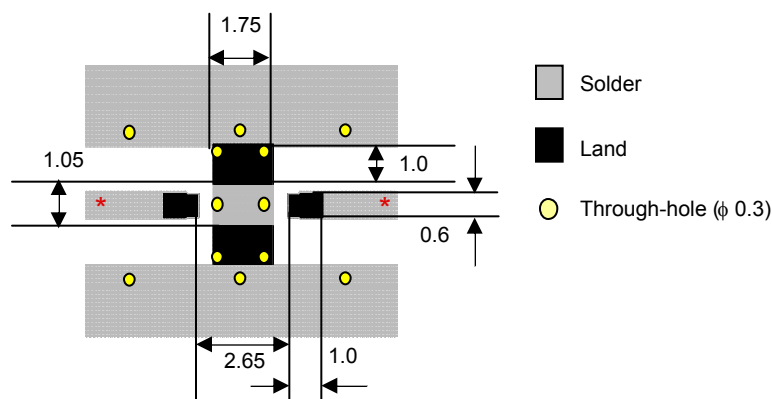
| | In | mm |
|---|---------------|-------------|
| L | 0.126 ± 0.008 | 3.20 ± 0.20 |
| W | 0.063 ± 0.008 | 1.60 ± 0.20 |
| T | 0.022 ± 0.004 | 0.55 ± 0.10 |
| a | 0.075 ± 0.006 | 1.90 ± 0.15 |
| b | 0.020 ± 0.006 | 0.50 ± 0.15 |
| c | 0.012 ± 0.008 | 0.30 ± 0.20 |
| d | 0.026 ± 0.008 | 0.65 ± 0.20 |



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

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