

"High Frequency Ceramic Solutions"

2.45 GHz Band Pass Filter

P/N 2450BP41D100B

Detail Specification 02/12/2003

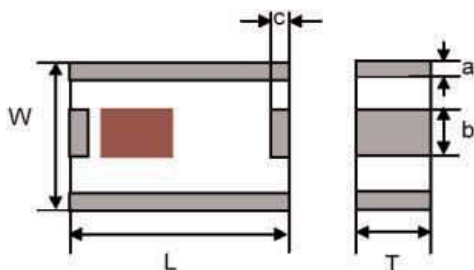
Page 1 of 2

| Part Number | Frequency (MHz) | Insertion Loss | Attenuation (min.) | Return Loss | Ripple |
|---------------|-----------------|----------------|--|-------------|-------------|
| 2450BP41D100B | 2450 ± 50 | 1.3 dB max | 30 dB @ 880 - 915 MHz 30 dB @ 1.71 - 1.785 GHz 20 dB @ 1.85 - 1.91 GHz 25 dB @ 4.8 - 5.0 GHz 20 dB @ 7.2 - 7.5 GHz | 9.5 dB min. | 0.7 dB max. |

| Input Power | Group Delay | Impedance | Operating Temperature Range |
|---------------|-------------|-----------|-----------------------------|
| 500 mWatt max | 5 nsec max | 50 Ω | -40 to +85°C |

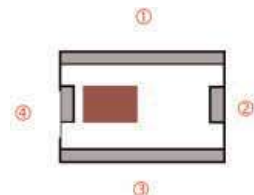
Mechanical Dimensions

| | L | W | T | a | b | c |
|--------|--------------|--------------|--------------|--------------|--------------|--------------|
| Inches | 0.126 ± .008 | 0.098 ± .008 | 0.059 ± .004 | 0.016 ± .008 | 0.024 ± .008 | 0.012 ± .006 |
| mm | 3.2 ± 0.2 | 2.5 ± 0.2 | 1.5 ± 0.1 | 0.4 ± 0.2 | 0.6 ± 0.2 | 0.30 ± 0.15 |



Terminal Configuration

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

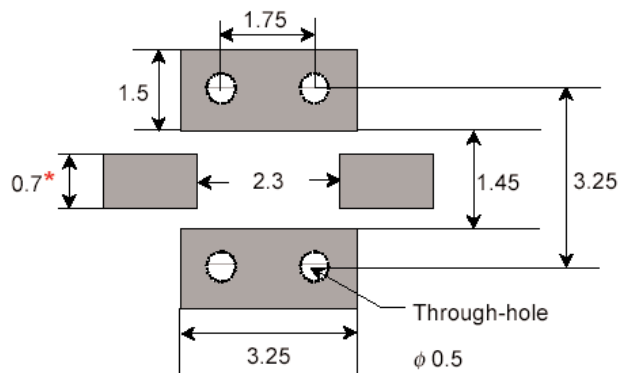


Mounting Considerations

Pats should be mounted with colored side facing UP.

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

Units: mm



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Page 1 of 2

