

High Frequency Ceramic Solutions

3.6 GHz Wide Band Band Pass Filter

P/N 3600BP15M600

Detail Specification: 03/19/09

Page 1 of 2

General Specifications

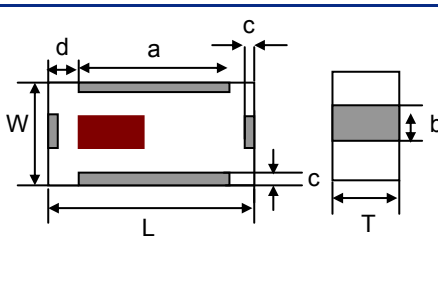
| | | |
|--------------------|---------------|-------|
| Part Number | 3600BP15M600 | |
| Frequency (MHz) | 3300 - 3900 | |
| Insertion Loss | 1.8 dB max. | |
| Return Loss | 9.5 dB min. | |
| Attenuation (min.) | 0.1 - 2.6 GHz | 15 dB |
| Attenuation (min.) | 4.4 - 6.0 GHz | 9 dB |
| Attenuation (min.) | 6.0 - 9.9 GHz | 20 dB |

| | |
|-----------------------|--|
| Input Power | 500 mW max. |
| Impedance | 50 Ω |
| Reel Quantity | 4,000 |
| Operating Temperature | -40 to +85°C |
| Storage Temperature | +5 to +35°C, Humidity 45-75%RH, 12 mos. max* |

* - 1 yr shelf life in bag; 1 week shelf life out of bag;
Vacuum reseal unused reel

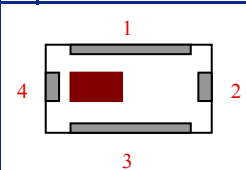
Mechanical Dimensions

| | In | mm |
|---|---------------|-------------|
| L | 0.079 ± 0.006 | 2.00 ± 0.15 |
| W | 0.049 ± 0.004 | 1.25 ± 0.10 |
| T | 0.037 ± 0.004 | 0.95 ± 0.10 |
| a | 0.049 ± 0.006 | 1.25 ± 0.15 |
| b | 0.012 ± 0.006 | 0.30 ± 0.15 |
| c | 0.010 ± 0.006 | 0.25 ± 0.15 |
| g | 0.014 ± 0.006 | 0.35 ± 0.15 |



Terminal Configuration

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

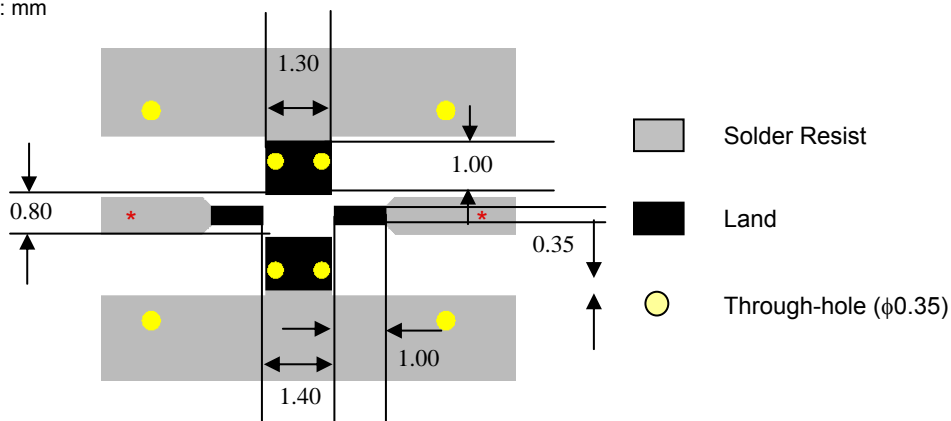


Mounting Considerations

Mount these devices with brown mark facing up.

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

Units: mm



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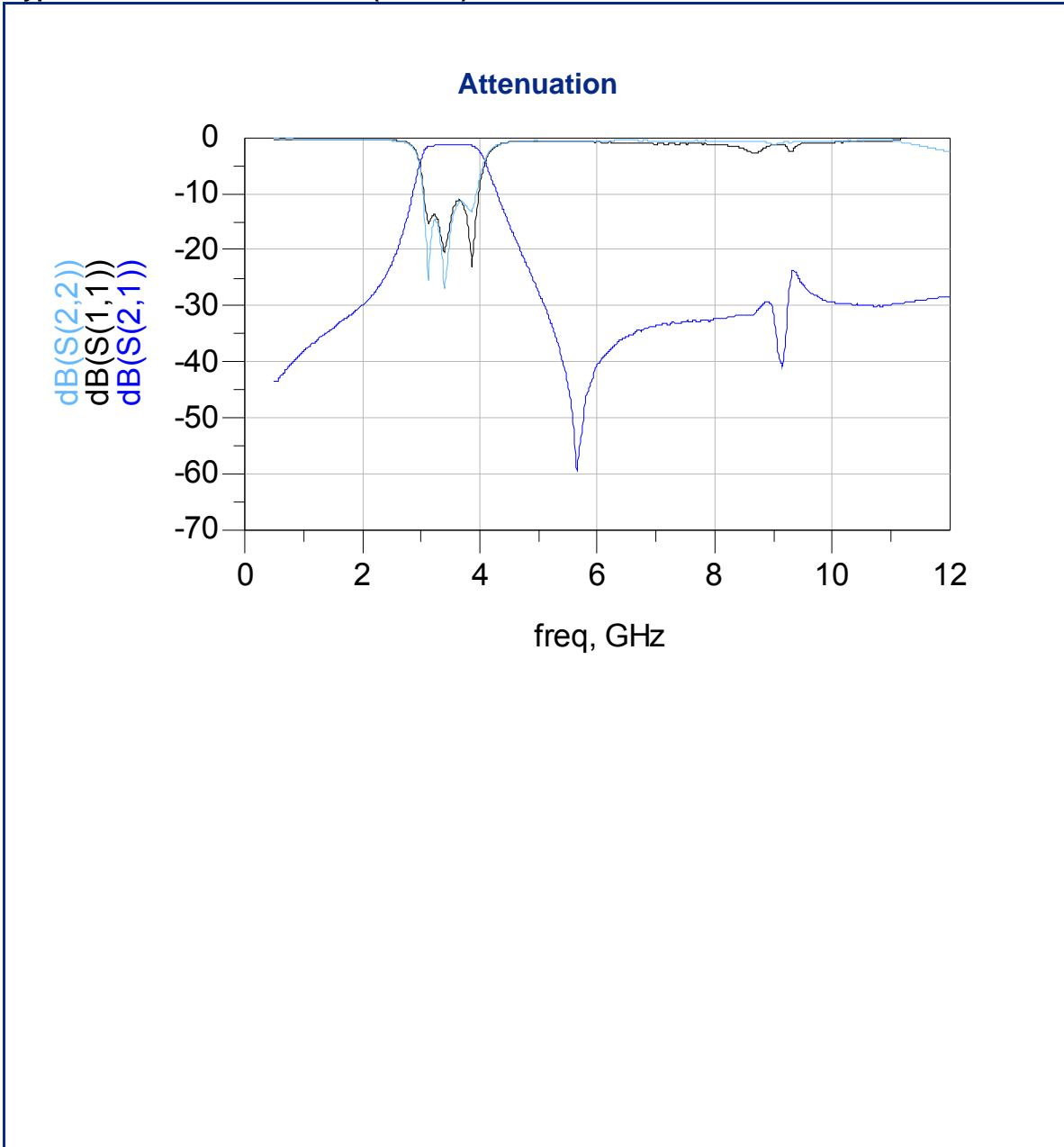
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Page 2 of 2

Typical Electrical Performance (T=25°C)



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