

# High Frequency Ceramic Solutions

## 3.6 GHz Wide Band Band Pass Filter

P/N 3600BP15M600

Detail Specification: 03/19/09

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### General Specifications

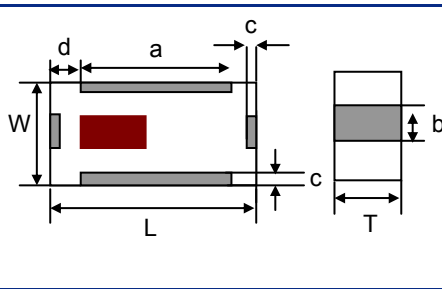
|                    |               |       |
|--------------------|---------------|-------|
| Part Number        | 3600BP15M600  |       |
| Frequency (MHz)    | 3300 - 3900   |       |
| Insertion Loss     | 1.8 dB max.   |       |
| Return Loss        | 9.5 dB min.   |       |
| Attenuation (min.) | 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 $\Omega$                                  |
| 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 $\pm$ 0.006 | 2.00 $\pm$ 0.15 |
| W | 0.049 $\pm$ 0.004 | 1.25 $\pm$ 0.10 |
| T | 0.037 $\pm$ 0.004 | 0.95 $\pm$ 0.10 |
| a | 0.049 $\pm$ 0.006 | 1.25 $\pm$ 0.15 |
| b | 0.012 $\pm$ 0.006 | 0.30 $\pm$ 0.15 |
| c | 0.010 $\pm$ 0.006 | 0.25 $\pm$ 0.15 |
| g | 0.014 $\pm$ 0.006 | 0.35 $\pm$ 0.15 |



### Terminal Configuration

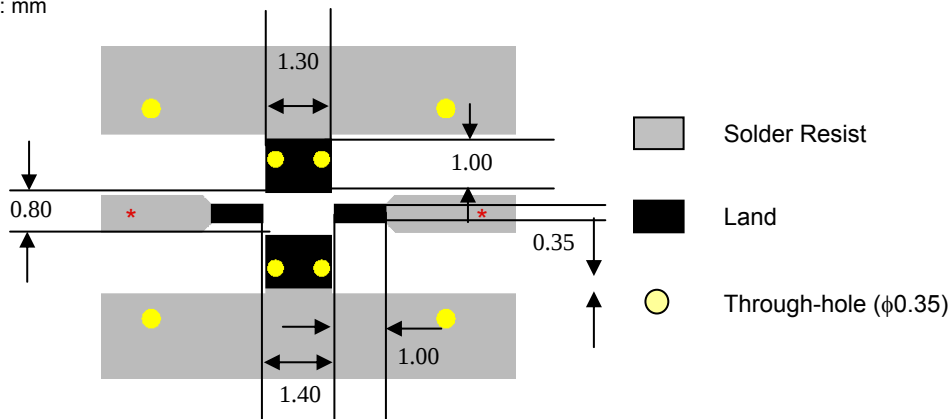
| No. | Function |
|-----|----------|
| 1   | GND      |
| 2   | OUT      |
| 3   | GND      |
| 4   | IN       |

### Mounting Considerations

Mount these devices with brown mark facing up.

\* Line width should be designed to provide 50  $\Omega$  impedance matching characteristics.

Units: mm



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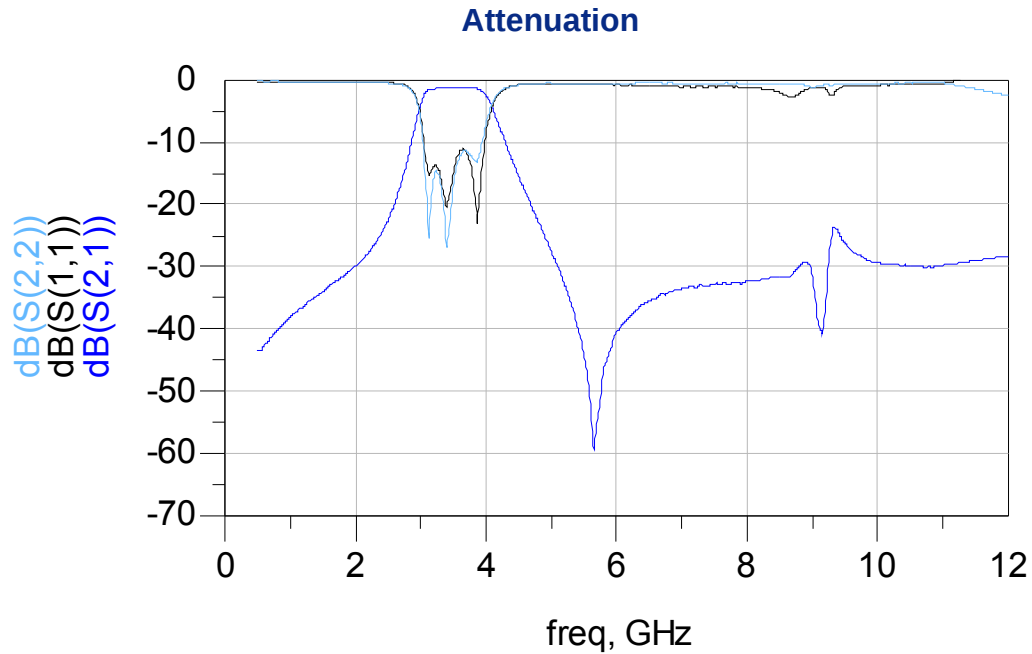
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### Typical Electrical Performance (T=25°C)



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