

# "High Frequency Ceramic Solutions"

## 967/1795 MHz Diplexer

Detail Specification

P/N 0967DP18A1795

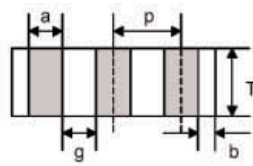
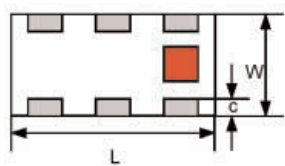
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| Part Number    | Frequency (MHz) | Attenuation Low Band | Attenuation High Band | Return Loss |
|----------------|-----------------|----------------------|-----------------------|-------------|
| 0967DP18A1795_ | 954 - 980       | 0.75 dB max.         | 20 dB min.            | 12 dB min.  |
|                | 1710 - 1880     | 20 dB min.           | 0.55 dB max.          | 12 dB min.  |

| Input Power | Impedance   | Operating Temperature Range | Reel Qty |
|-------------|-------------|-----------------------------|----------|
| 3 Watts max | 50 $\Omega$ | -40 to +85°C                | 3000     |

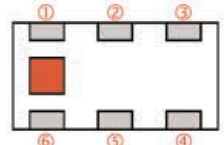
### Mechanical Dimensions

|        | L                | W                | T                | a                | b                | c                       | g                | p                |
|--------|------------------|------------------|------------------|------------------|------------------|-------------------------|------------------|------------------|
| Inches | 0.126 $\pm$ .006 | 0.064 $\pm$ .006 | 0.034 $\pm$ .004 | 0.022 $\pm$ .006 | 0.014 $\pm$ .006 | 0.012 $\pm$ .004/-0.008 | 0.016 $\pm$ .006 | 0.039 $\pm$ .004 |
| mm     | 3.2 $\pm$ 0.15   | 1.6 $\pm$ 0.15   | 0.85 $\pm$ 0.1   | 0.55 $\pm$ 0.15  | 0.35 $\pm$ 0.15  | 0.3 $\pm$ 0.1/-0.2      | 0.4 $\pm$ 0.15   | 1.0 $\pm$ 0.1    |



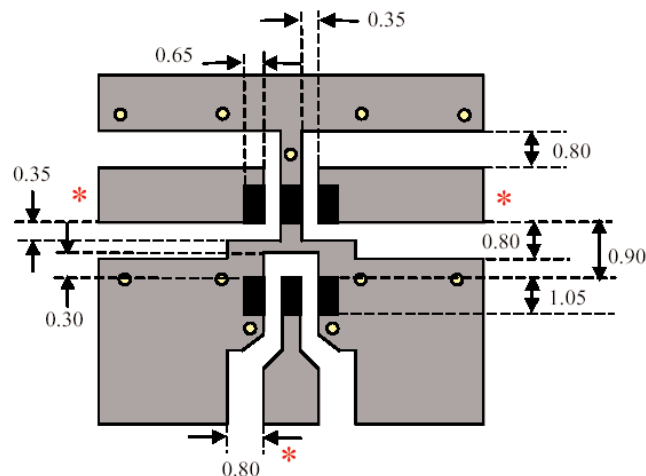
### Terminal Configuration

| No. | Function            | No. | Function         |
|-----|---------------------|-----|------------------|
| 1   | Low Band Port (P2)  | 4   | GND              |
| 2   | GND                 | 5   | Common Port (P3) |
| 3   | High Band Port (P1) | 6   | GND              |



### Mounting Considerations

Mount these devices with brown colored side facing up. Line width should be designed to provide 50 $\Omega$  impedance matching characteristics.



- Solder Resist
- Land
- Through-hole ( $\phi$  0.3)

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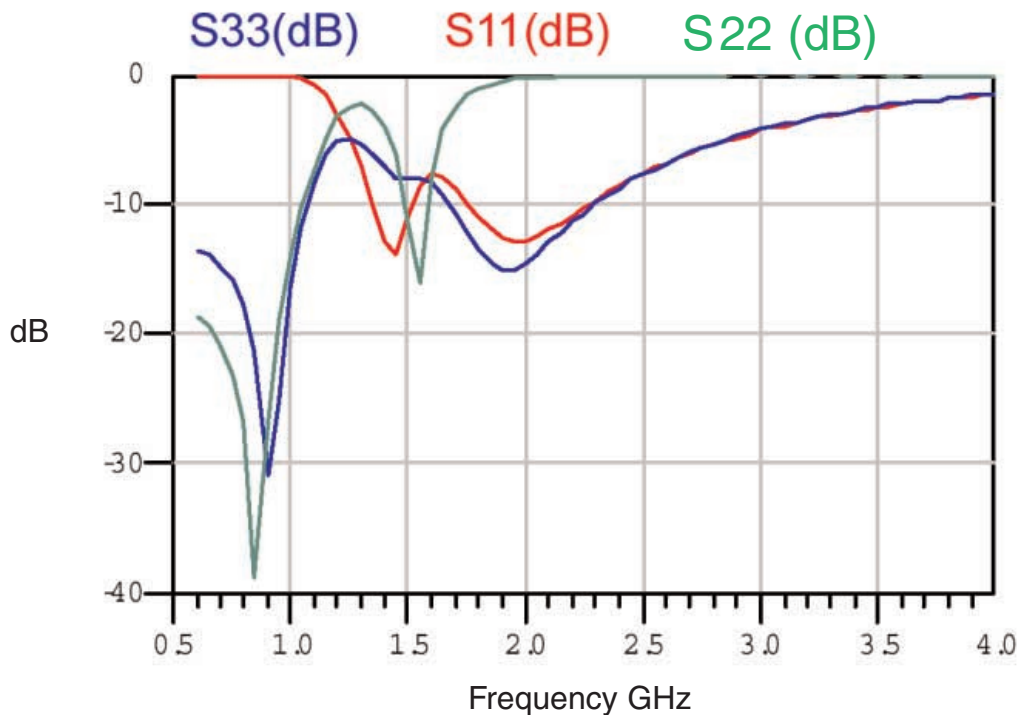
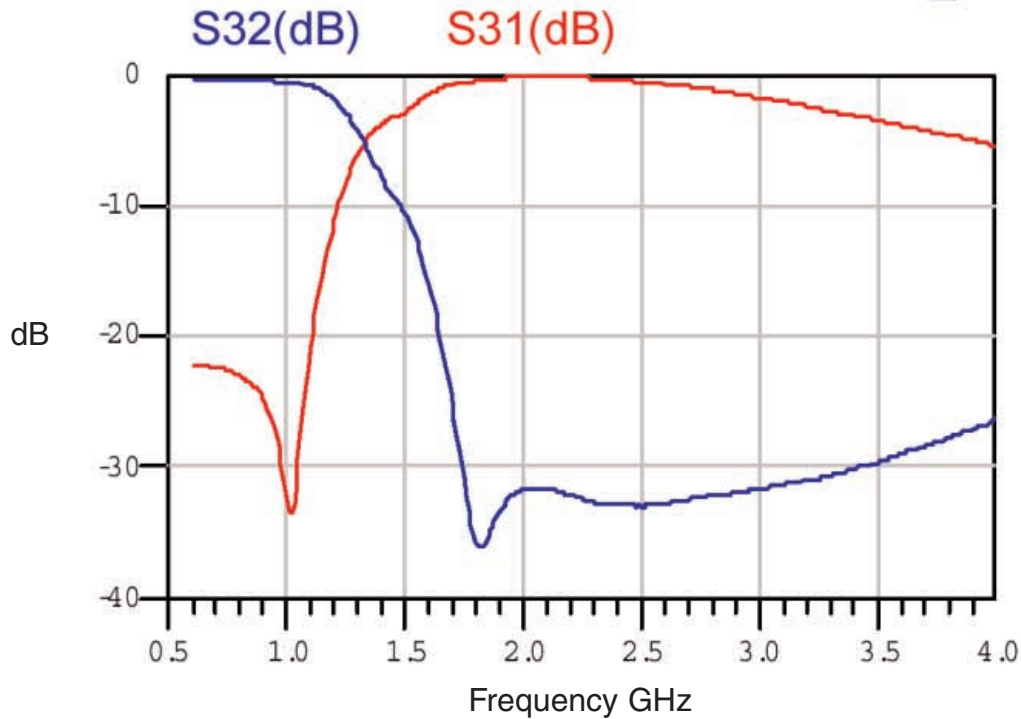
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# Mouser Electronics

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