

“High Frequency Ceramic Solutions”

859/1920 MHz Diplexer

Detail Specification

P/N 0859DP18A1920

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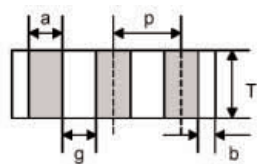
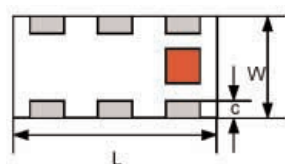
| Part Number | Frequency (MHz) | Attenuation Low Band | Attenuation High Band | Return Loss |
|----------------|-----------------|----------------------|-----------------------|-------------|
| 0859DP18A1920_ | 824 - 894 | 0.75 dB max. | 20 dB min. | 12 dB min. |
| | 1850 - 1990 | 20 dB min. | 0.55 dB max. | 12 dB min. |

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

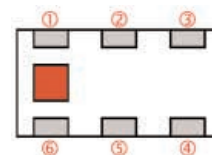
Mechanical Dimensions

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

Terminal Configuration

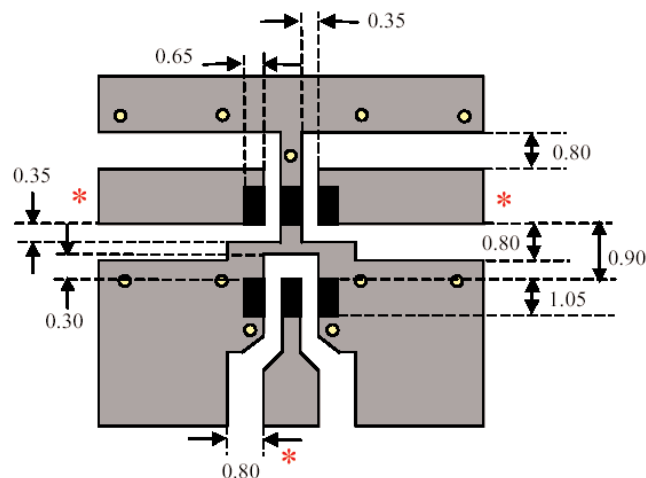





| No. | Function | No. | Function |
|-----|---------------------|-----|------------------|
| 1 | Low Band Port (P2) | 4 | GND |
| 2 | GND | 5 | Common Port (P3) |
| 3 | High Band Port (P1) | 6 | GND |



Mounting Considerations

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



-  Solder Resist
-  Land
-  Through-hole (φ 0.3)

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