

Power Divider 16-way SMA Female from 500 MHz to 6 GHz Single-Sided Connectors

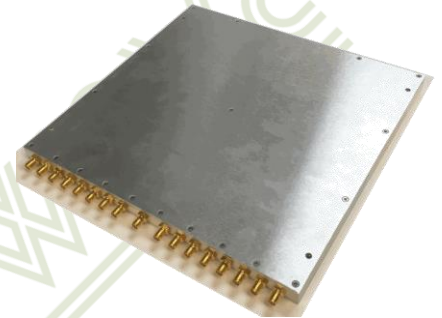
2-way SMA Power Divider from 500 MHz to 6 GHz

D-16002

Description

Model D-16002 from Werbel Microwave is a 16-way power splitter covering the continuous bandwidth of 500 MHz to 6 GHz in a small sized enclosure with versatile mounting options. The device is RoHS compliant.

The single-sided connector configuration is useful in rack mount applications where the input and outputs need to be readily accessible from the same panel.



| Specification | Min | Typ. | Max | Units |
|---|-----|------|-----|------------|
| Frequency | 0.5 | | 6 | GHz |
| Impedance | | 50 | | Ohm |
| VSWR (common port) | | 1.35 | 2.0 | :1 |
| VSWR (split ports) | | 1.20 | 1.4 | :1 |
| Insertion Loss (above theoretical at highest frequency) | | 2.0 | 4.5 | dB |
| Isolation from 500MHz – 600MHz | 16 | | | dB |
| Isolation from 600MHz – 6GHz | 18 | 22 | | dB |
| Amplitude Balance | | 0.5 | 1.2 | dB |
| Phase Balance | | 4 | 16 | Degrees |
| Power Handling as Splitter into 1.2:1 max load VSWR | | | 30 | Watts (CW) |

Mechanical

| | |
|------------------------|-----------------------|
| Connector Interface | SMA-Female |
| Operating Temperature* | -55 to +85 °C |
| Storage Temperature | -55 to +100 °C |
| Weight Estimate | 3.4 lb (1.54 kg) |
| Humidity | 10-90% non-condensing |
| Environment | Indoors Use Only |

Materials

RoHS Compliant

| | |
|------------|--------------------|
| Enclosure | Aluminum |
| Connectors | Brass, Gold Plated |
| Contacts | Be Cu, Gold Plated |
| Insulators | PTFE |
| Finish | Clear Chem Film |

* Design to meet based on materials. Production-tested at +25 °C. External heatsink and convection cooling recommended to maintain body temperature below +50 °C.



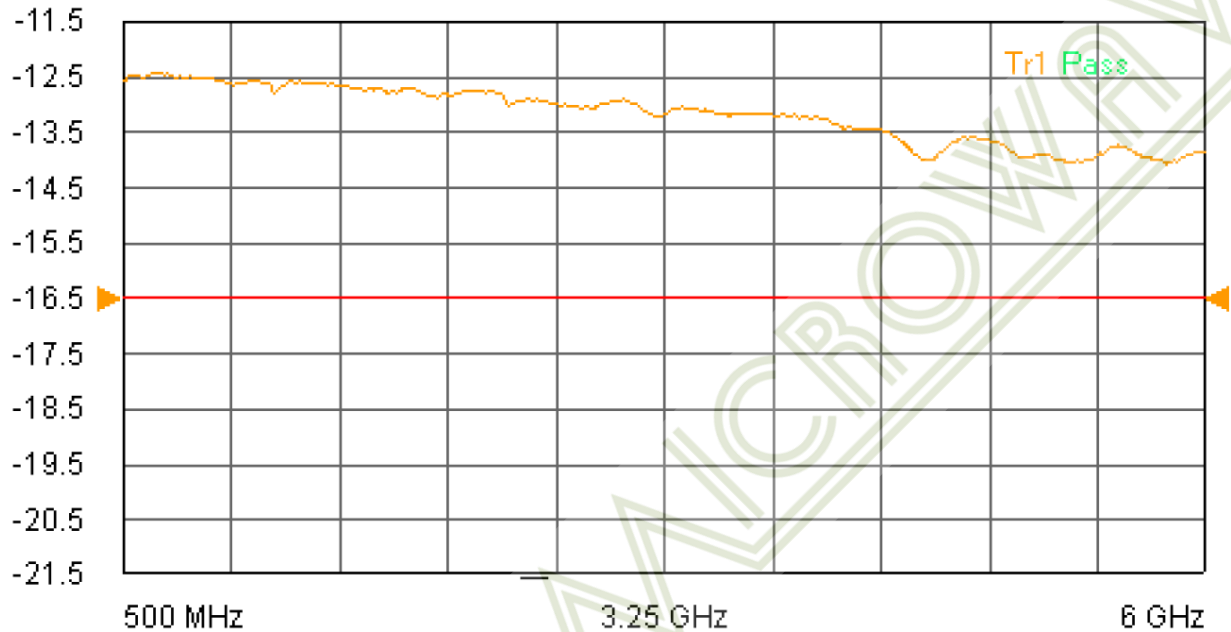
MADE IN USA

ISO 9001:2015

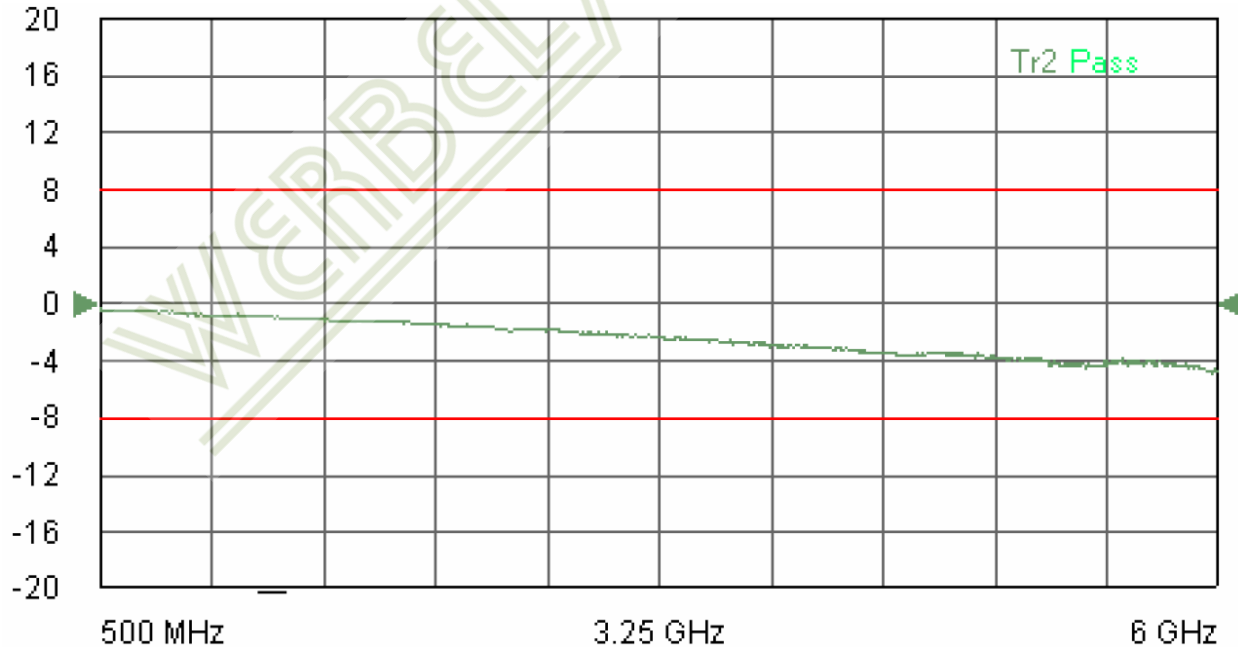
Certified Company

Typical Performance at +25 °C

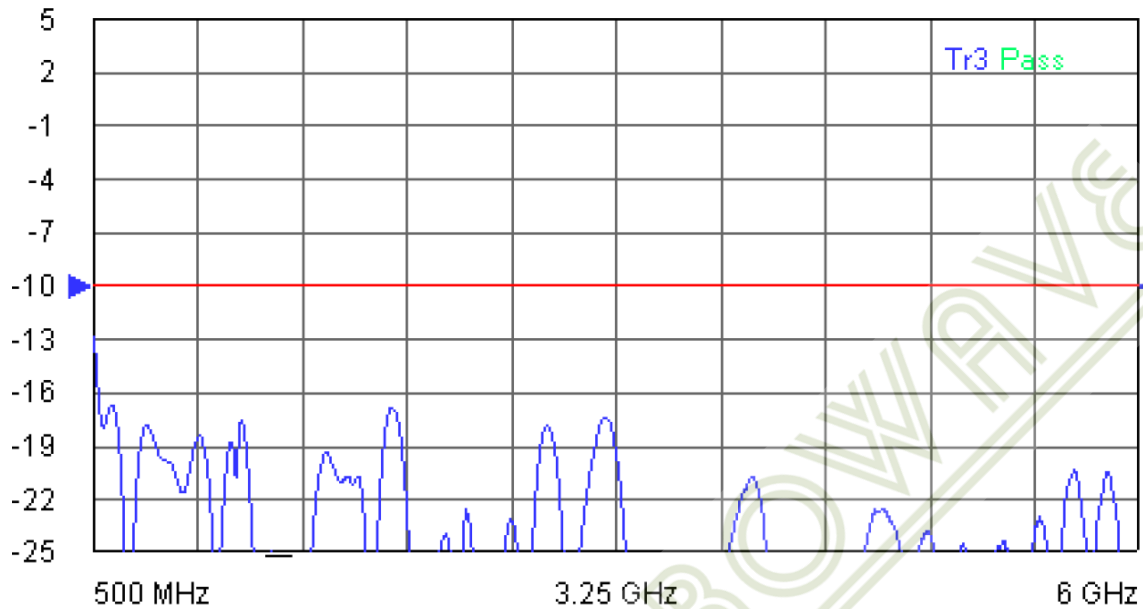
Insertion Loss



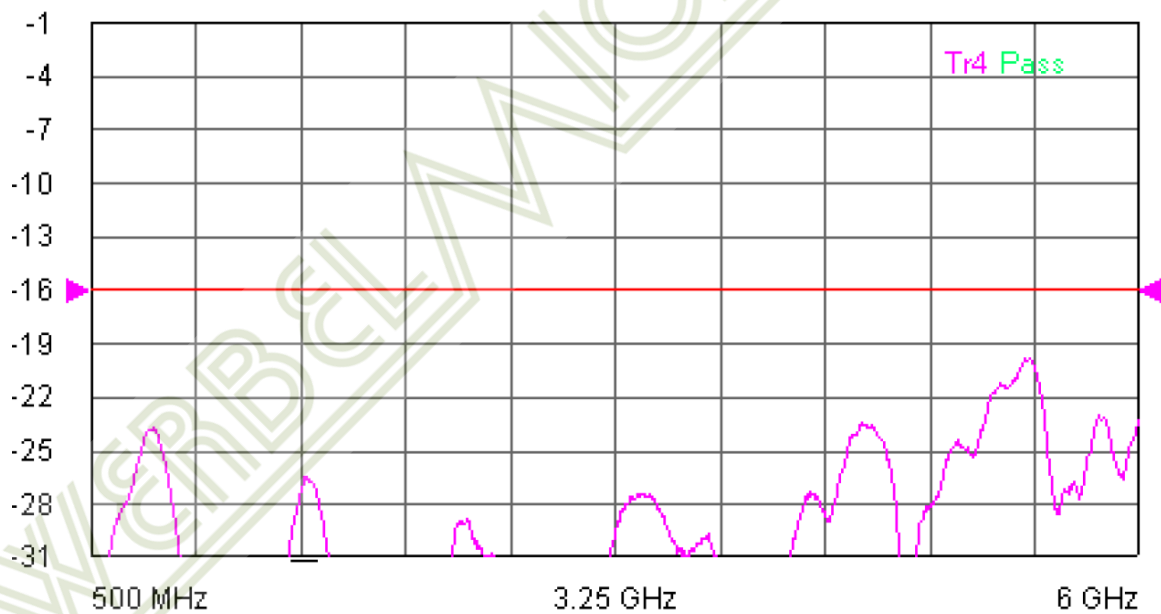
Phase



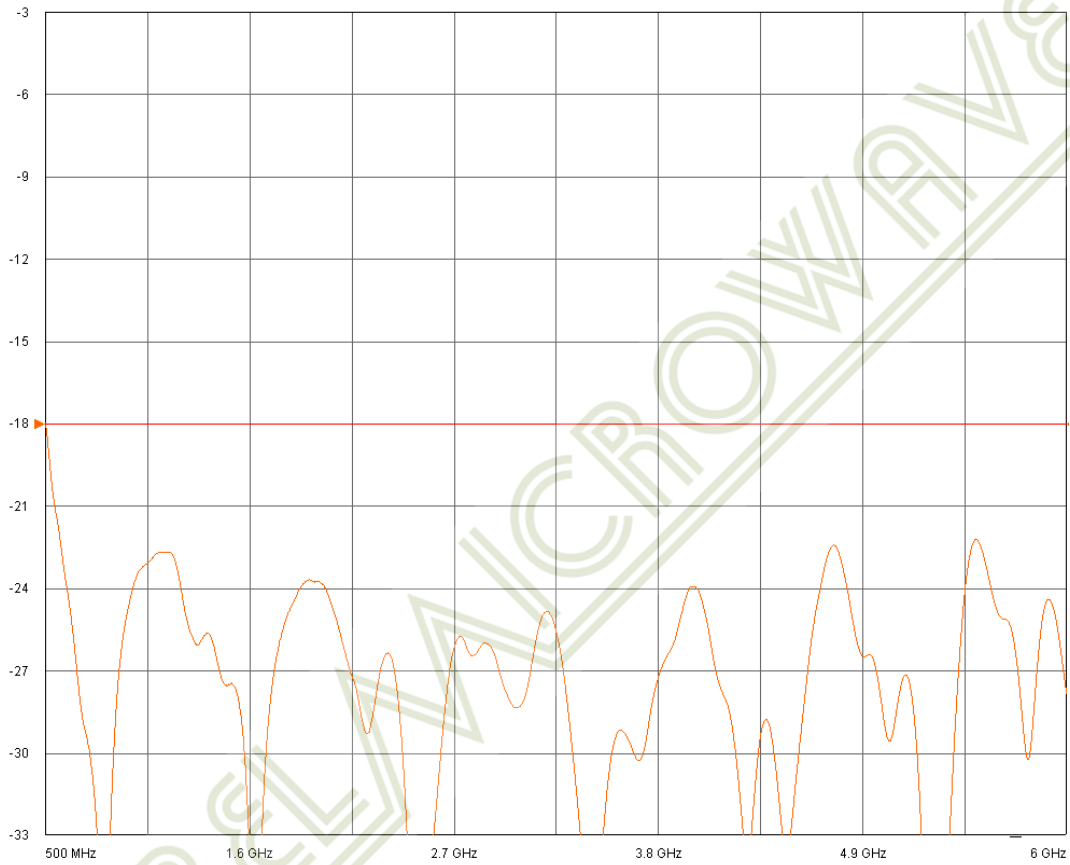
Return Loss Input



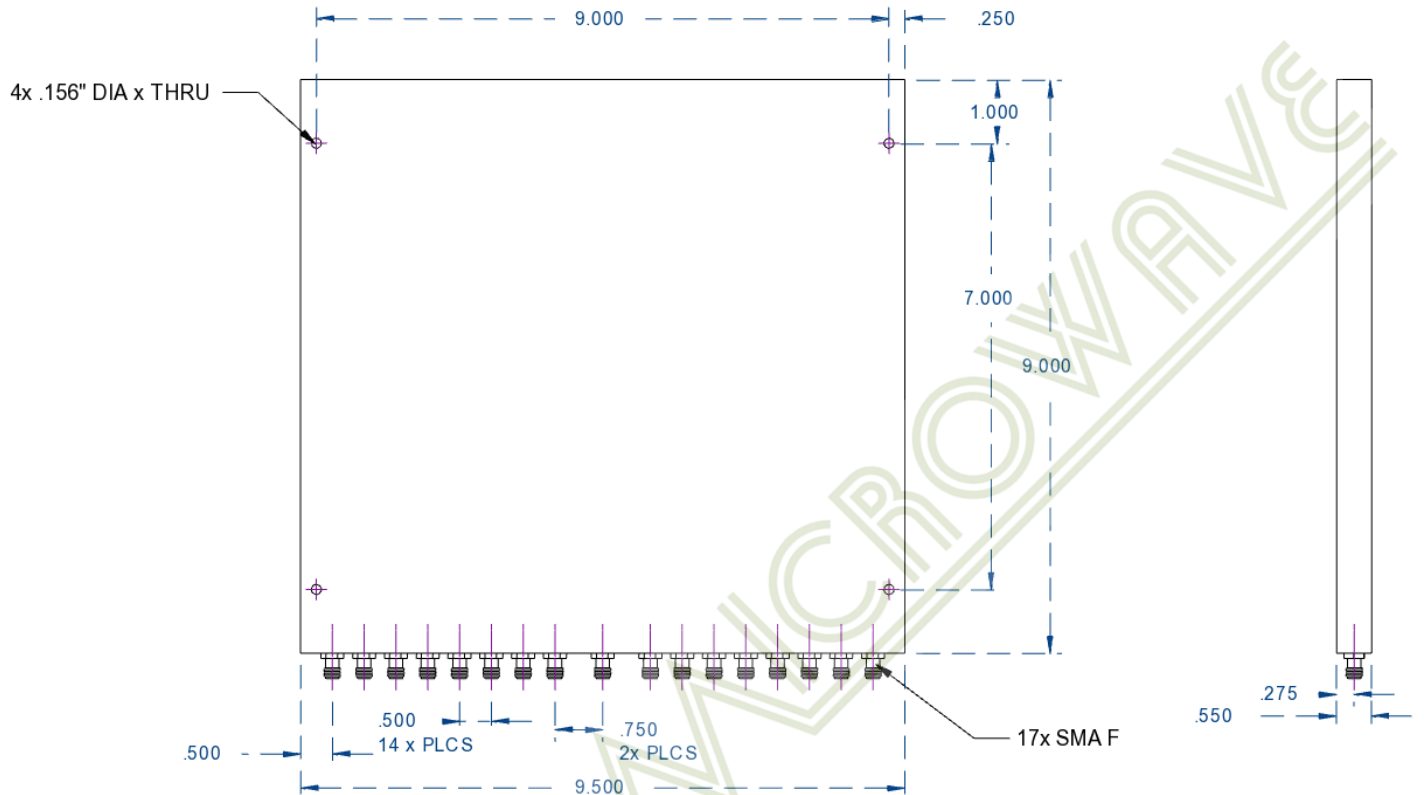
Return Loss Output



Isolation



Outline Dimensions



Outline drawing: OL-16002

Dimensions are in inches, [mm] shown for convenience.

Tolerances on 2-pl decimals: $\pm .03$. 3-pl decimals: $\pm .015$.

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