

**4 way Power Divider SMA Connectors From 1GHz to 18GHz Rated at 30 Watts**

**Power Divider**

- ◆ 4-Way Power Divider
- ◆ Wilkinson Design
- ◆ Wide Frequency Range
- ◆ Excellent Reliability
- ◆ Customization Available

The HRT-PD(1000/18000)-4S is a 4 way Wilkinson power divider that operates from 1 to 18 GHz and can handle up to 30 Watts . This SMA power divider offers 16 dB Isolation and 1.65:1 max VSWR. The package interface uses SMA on all of the ports.



| Electrical Specifications      |  |     |                |
|--------------------------------|--|-----|----------------|
| Parameters                     | Units  |     | Specifications |
| Pass Band Frequency            | MHz  |     | 1000-18000     |
| Nominal Splitter               | dB   | /   | 6.0            |
| Insertion Loss                 | dB   | Max | 2.8            |
| Input VSWR                     | /  | Max | 1.65:1         |
| Output VSWR                    | /  | Max | 1.50:1         |
| Isolation                      | /  | Min | 16             |
| Amp. Unbalance                 | dB   | Max | ±0.5           |
| Phase Unbalance                | Deg  | Max | ±6             |
| Power Handling                 | 30 Watts(Forward Power); 1 Watt(Reverse Power) |     |                |
| Electrical Specification Notes | Values at +25°C.                               |     |                |

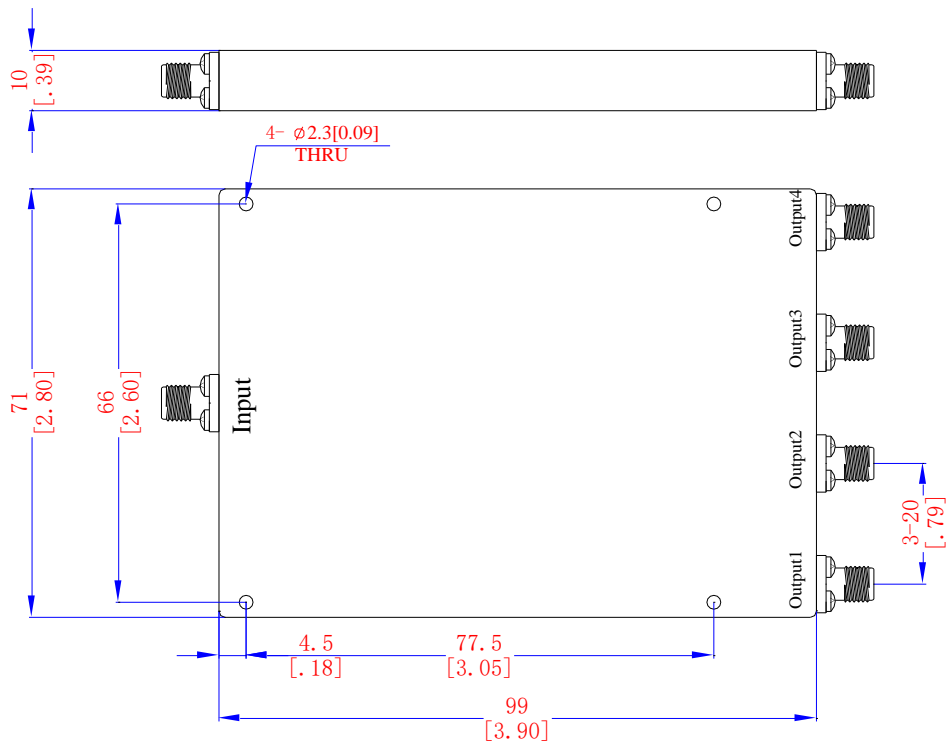
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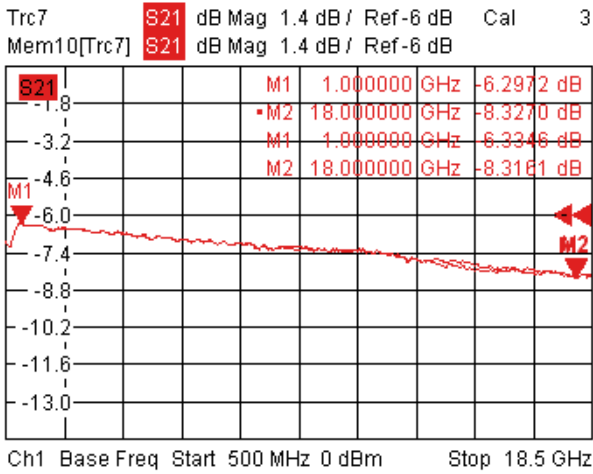
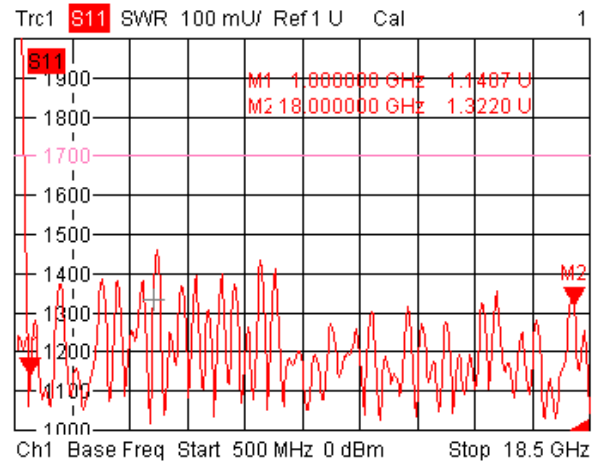
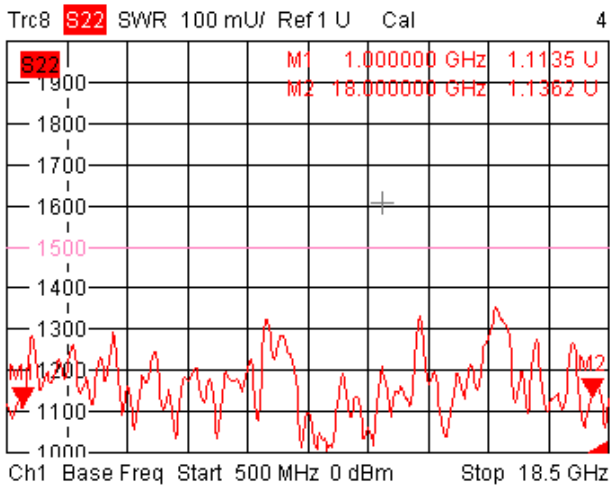
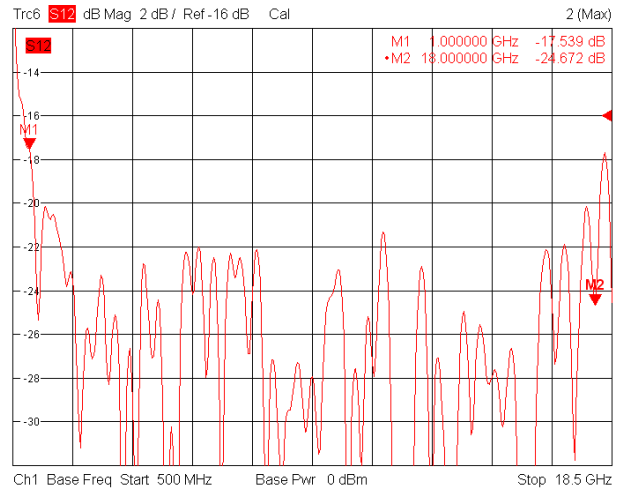
| Mechanical Specifications |  | Environmental Specification |                                       |
|---------------------------|--|-----------------------------|---------------------------------------|
| Parameter                 | Specification  | Parameter                   | Specification                         |
| Input Connectors          | SMA-Female (50Ω)                                     | Operating Temp.             | -40°C to +70°C                        |
| Output Connectors         | SMA-Female (50Ω)                                     | Storage Temp.               | -55°C to +85°C                        |
| ROHS                      | Yes  | Environment Class           | TBD                                   |
| Material                  | Aluminum (6061)                                      | Altitude                    | 30,000 ft.                            |
| Weight(Kg)                | TBD  |                             | (Epoxy Sealed Controlled environment) |
| Surface Finish            | Black Painted  | Humidity                    | 95%RH at 40°C                         |
| Shock                     | 20G for 11msec half sine wave,3 axis both directions |                             |                                       |
| Note                      |  |                             |                                       |

**Outline Drawing:**

All Dimensions in mm (inches)

Outline Tolerances  $\pm 0.3(0.012)$



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**Loss & Amplitude**

**Input VSWR**

**Output VSWR**

**Isolation**

**Phase Unbalance**
