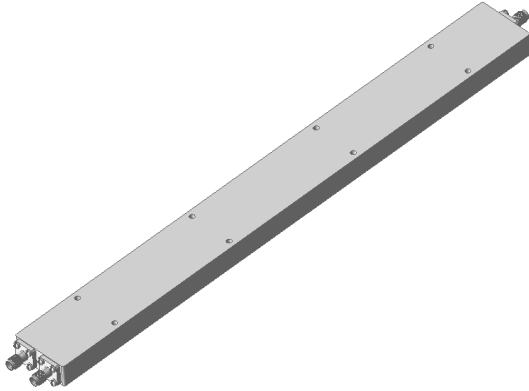


50 ohms 2 way Power Divider SMA Connectors From 0.3GHz to 26.5GHz Rated at 30 Watts

Technology Specifications Rev:A0

P05-250718



## Power Divider

- ◆ 2-Way Power Divider
- ◆ Wilkinson Design
- ◆ Wide Frequency Range
- ◆ Excellent Reliability
- ◆ Customization available

The HPD0.3-26.5G-2S is a 2 way Wilkinson power divider that operates from 0.3 to 26.5 GHz and can handle up to 30 Watts . This power divider offers 16 dB Isolation and 1.60:1 max VSWR. The package interface uses SMA connectors on all of the ports.

The electrical specifications apply for at TA=+25°C in a 50Ω system.

| Electrical Specifications            |       |      |       |       |
|--------------------------------------|-------|------|-------|-------|
| Parameter                            | Units | Min. | Typ.  | Max.  |
| Frequency Range:                     | GHz   | 0.3  |       | 26.5  |
| Nominal Splitter Loss <sup>1</sup> : | dB    |      | 3.0   |       |
| Excess Insertion Loss <sup>2</sup> : | dB    |      | 2.0   | 2.5   |
| Input VSWR:                          | /     |      | 1.5:1 | 1.6:1 |
| Output VSWR:                         | /     |      | 1.5:1 | 1.6:1 |
| Isolation:                           | dB    | 16   | 18    |       |
| Amplitude Balance:                   | dB    |      | ±0.4  | ±0.5  |
| Phase Balance:                       | Deg   |      | ±4.0  | ±5.0  |
| Forward Power                        | W cw  |      |       | 30    |
| Reverse Power                        | W cw  |      |       | 2     |

Note:

[1] Nominal Splitter Loss based on splitter factor.

[2] Excess Insertion Loss = (Input Port to Output Port Insertion Loss) – Nominal Splitter Loss.

50 ohms 2 way Power Divider SMA Connectors From 0.3GHz to 26.5GHz Rated at 30 Watts

Technology Specifications Rev:A0

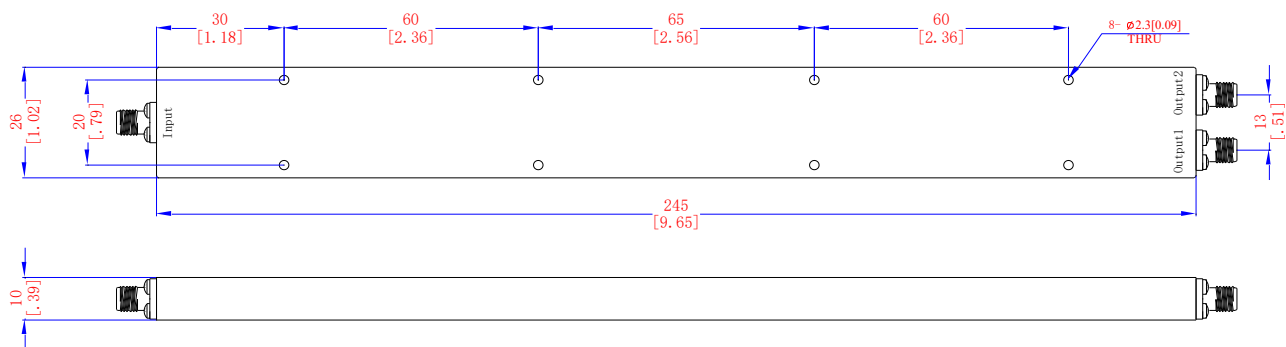
P05-250718

| Mechanical Specifications    |                                                                                 |
|------------------------------|---------------------------------------------------------------------------------|
| Input and Output Connectors: | SMA-Female(50Ω)                                                                 |
| Coupling Connector:          | SMA-Female(50Ω)                                                                 |
| Dimensions(mm):              | 245*26*10                                                                       |
| ROHS:                        | Yes                                                                             |
| Material:                    | Aluminum                                                                        |
| Weight(Kg):                  | TBD                                                                             |
| Surface Finish:              | Black Paint                                                                     |
| Environmental Specification  |                                                                                 |
| Operating Temp.              | -40°C to +70°C                                                                  |
| Storage Temp.                | -55°C to +85°C                                                                  |
| Environment Class:           | TBD                                                                             |
| Altitude:                    | 60,000 ft. 1.0psi min (Hermetically Sealed Un-controlled environment)(Optional) |
| Humidity:                    | 95%RH at 40°C                                                                   |
| Shock:                       | 20G for 11msec half sine wave,3 axis both directions                            |

### Outline Drawing:

All Dimensions in mm (inches)

Outline Tolerances  $\pm 0.3(0.012)$

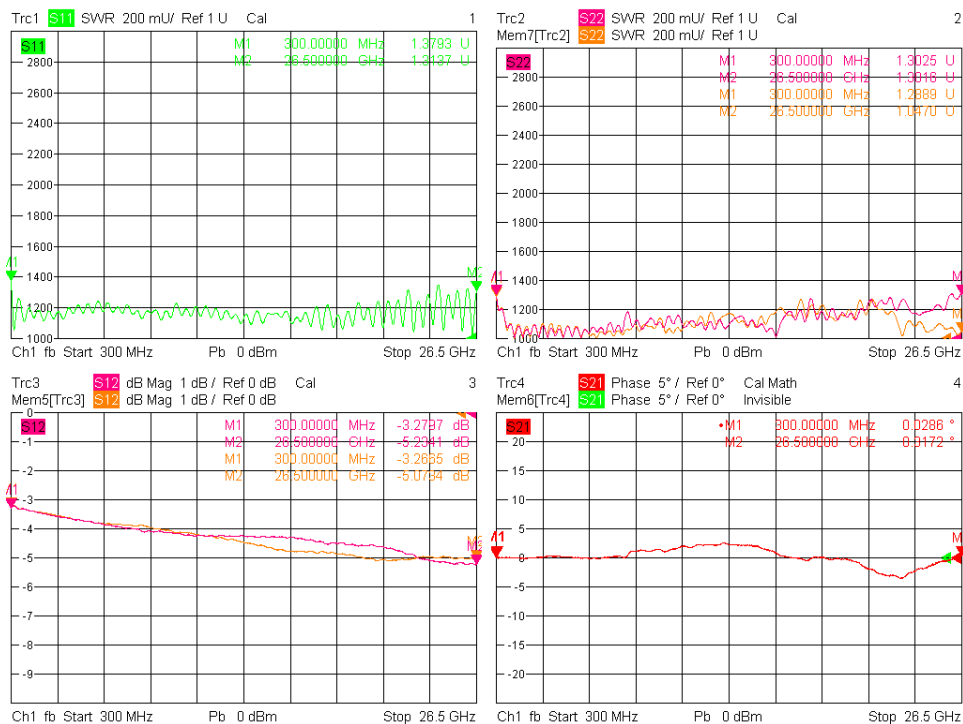


50 ohms 2 way Power Divider SMA Connectors From 0.3GHz to 26.5GHz Rated at 30 Watts

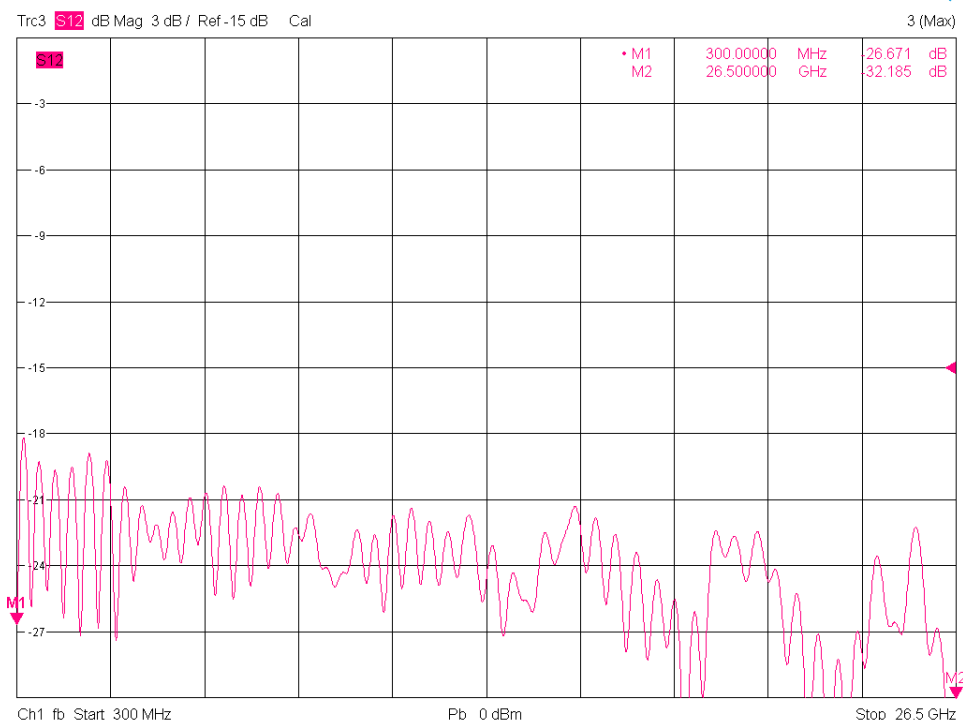
Technology Specifications Rev:A0

P05-250718

### Test Plots



8/27/2025, 2:25 AM



8/27/2025, 2:26 AM