

Product: 1-40Ghz 2Way power divider

Part Number: LPD-1/40-2S



| Specification |                             |                          |         |         |       |
|---------------|-----------------------------|--------------------------|---------|---------|-------|
| No.           | Parameter                   | Minimum                  | Typical | Maximum | Units |
| 1             | Frequency range             | 1                        | -       | 40      | GHz   |
| 2             | Insertion Loss              | -                        | -       | 2.4     | dB    |
| 3             | Phase Balance:              | -                        | -       | ±5      | dB    |
| 4             | Amplitude Balance           | -                        | -       | ±0.4    | dB    |
| 5             | Isolation                   | 18                       | -       |         | dB    |
| 6             | VSWR                        | -                        | -       | 1.5     | -     |
| 7             | Power                       |                          |         | 20      | W cw  |
| 8             | Operating Temperature Range | -40                      | -       | +85     | °C    |
| 9             | Impedance                   | -                        | 50      | -       | Ω     |
| 10            | Connecter                   | SMA-F                    |         |         |       |
| 11            | Preferred finish            | Black/Sliver/yellow/blue |         |         |       |

**Remarks:**

1. Not include Theoretical loss 3db 2. Power rating is for load vswr better than 1.20:1

| Environmental Specifications |  |
|------------------------------|--|
| Operational Temperature      | -40°C~+85°C  |
| Storage Temperature          | -50°C~+105°C   |
| Altitude                     | 30,000 ft. (Epoxy Sealed Controlled environment)                                 |
|                              | 60,000 ft. 1.0psi min (Hermetically Sealed Un-controlled environment) (Optional) |
| Vibration                    | 25gRMS (15 degrees 2KHz) endurance, 1 hour per axis                              |
| Humidity                     | 100% RH at 35°C, 95%RH at 40°C   |
| Shock                        | 20G for 11msec half sine wave, 3 axis both directions                            |
| Mechanical Specifications    |  |
| Housing                      | Aluminum   |
| Connector                    | Passivated or stainless steel  |
| Female Contact:              | gold plated beryllium brass  |
| Rohs                         | compliant  |
| Weight                       | 0.23kg   |

Outline Drawing:

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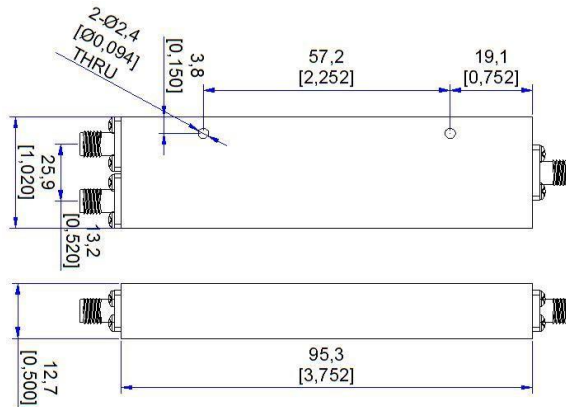
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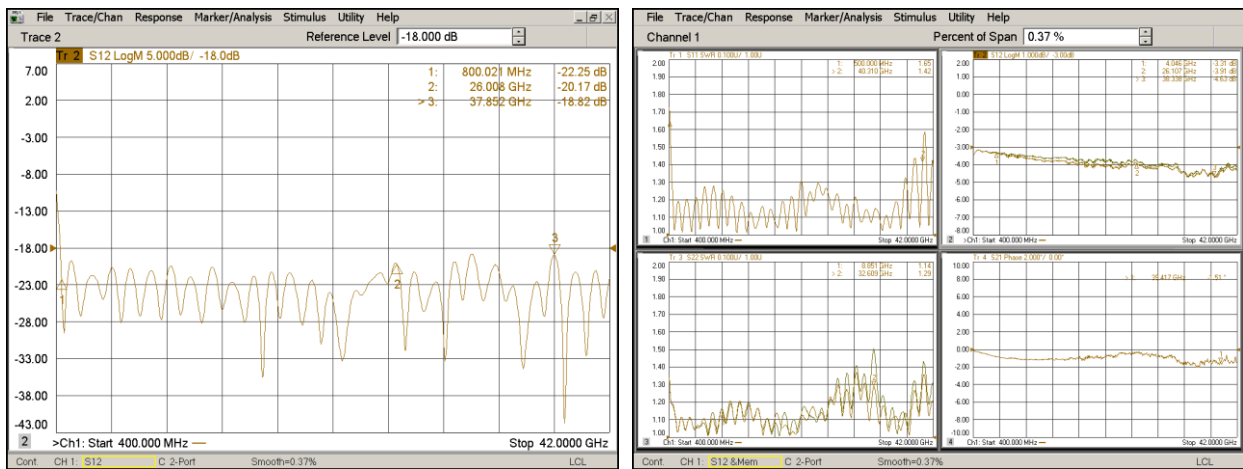
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All Dimensions in mm  
Outline Tolerances  $\pm 0.5(0.02)$   
Mounting Holes Tolerances  $\pm 0.2(0.008)$   
All Connectors: SMA-Female



## TEST DATA



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