

Product: 180 degree Hybrid Coupler

Part Number: LDC-0.5/3-180S



| Specification | | | | | |
|---------------|-----------------------------|---------------------|---------|---------|-------|
| No. | Parameter | Minimum | Typical | Maximum | Units |
| 1 | Frequency range | 0.5 | - | 3 | GHz |
| 2 | Insertion Loss | - | - | 1.8 | dB |
| 3 | Phase Balance: | - | - | ±6 | dB |
| 4 | Amplitude Balance | - | - | ±0.6 | dB |
| 5 | Isolation | 20 | - | | dB |
| 6 | VSWR | - | - | 1.25 | - |
| 7 | Power | | | 30 | W cw |
| 8 | Operating Temperature Range | -40 | - | +85 | °C |
| 9 | Impedance | - | 50 | - | Ω |
| 10 | Connector | Sma-f | | | |
| 11 | Preferred finish | Black/yellow/silver | | | |

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 |
| 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 | 0.15kg |

Outline Drawing:

All Dimensions in mm

Outline Tolerances ± 0.5(0.02)

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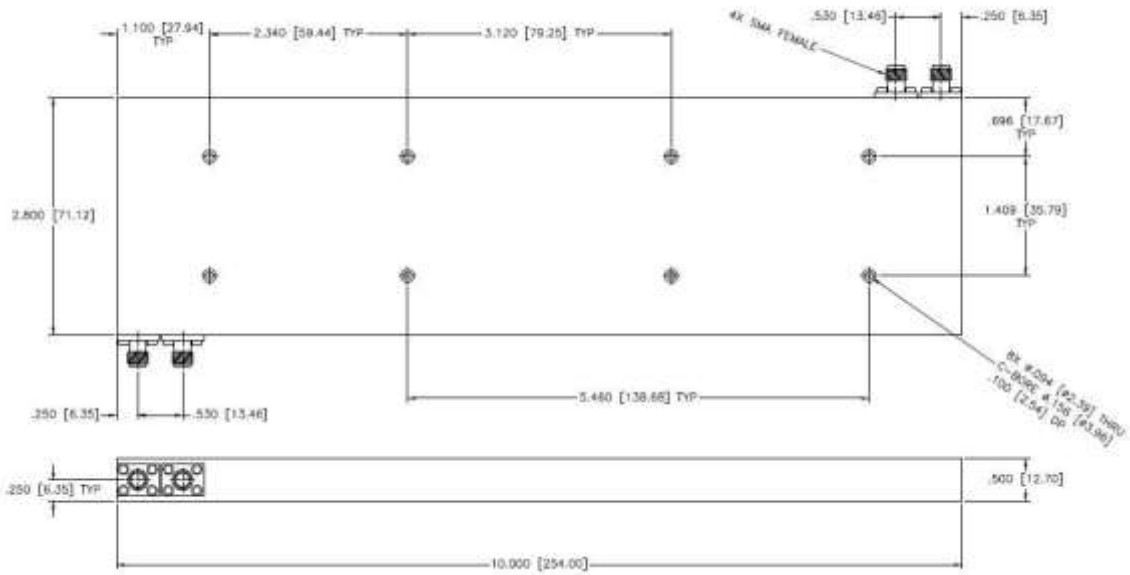
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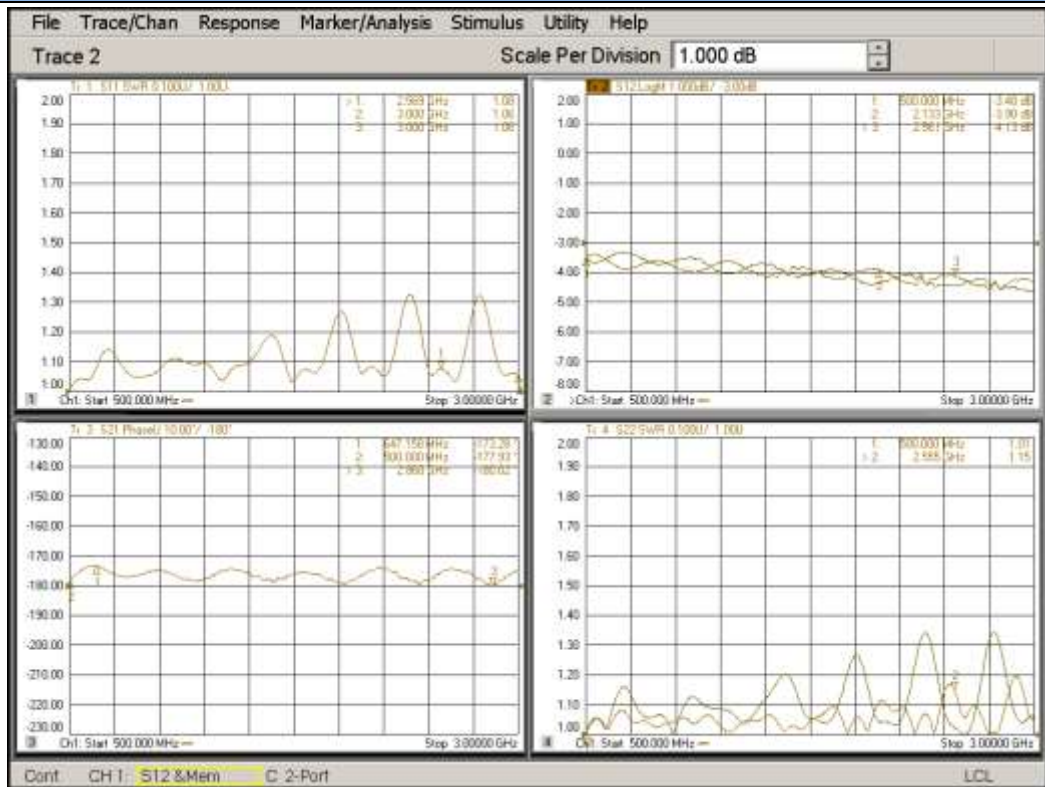
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Mounting Holes Tolerances $\pm 0.2(0.008)$

All Connectors: SMA-Female



TEST DATA



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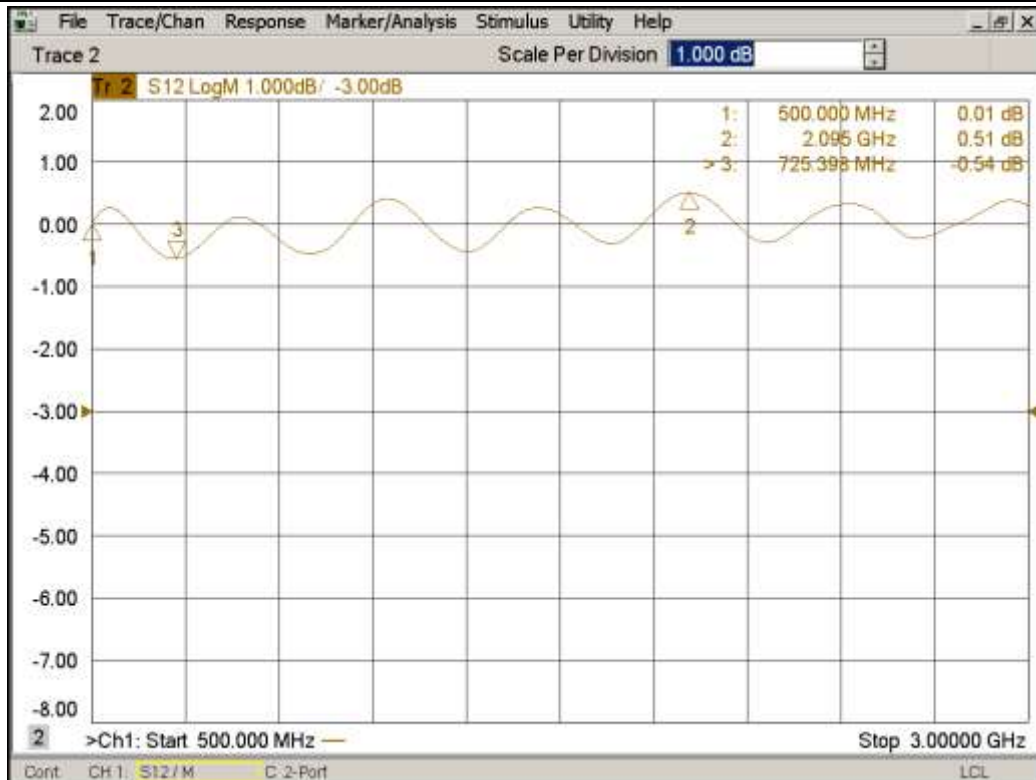
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