

Product: High power Coupler

Part Number: LDC-2/18-40N



| Specification |                                   |                           |         |         |       |
|---------------|-----------------------------------|---------------------------|---------|---------|-------|
| No.           | Parameter                         | Minimum                   | Typical | Maximum | Units |
| 1             | Frequency range                   | 2                         | -       | 18      | GHz   |
| 2             | Nominal Coupling                  |                           | 40      |         | dB    |
| 4             | Insertion Loss                    |                           |         | 0.5     | db    |
| 5             | Coupling Accuracy                 | -                         | -       | ±1.5    | dB    |
| 6             | Coupling Sensitivity to Frequency | ±1                        | -       |         | dB    |
| 7             | Directivity:                      | 10                        |         |         | dB    |
| 8             | VSWR                              | -                         | -       | 1.5     | -     |
| 9             | Power                             |                           |         | 500     | W cw  |
| 10            | Operating Temperature Range       | -40                       | -       | +85     | °C    |
| 11            | Impedance                         | -                         | 50      | -       | Ω     |
| 12            | Connecter                         | N-F                       |         |         |       |
| 13            | Preferred finish                  | Black/Sliver/yellow/green |         |         |       |

**Remarks:**

Power rating is for load vswr better than 1.20:1

| Environmental Specifications |   |
|------------------------------|---|
| Operational Temperature      | -40°C~+85°C   |
| Storage Temperature          | -50°C~+95°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                       | 0.25kg  |

**Outline Drawing:**

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Add: 中国 成都市成华区华翰路 89 号 610000

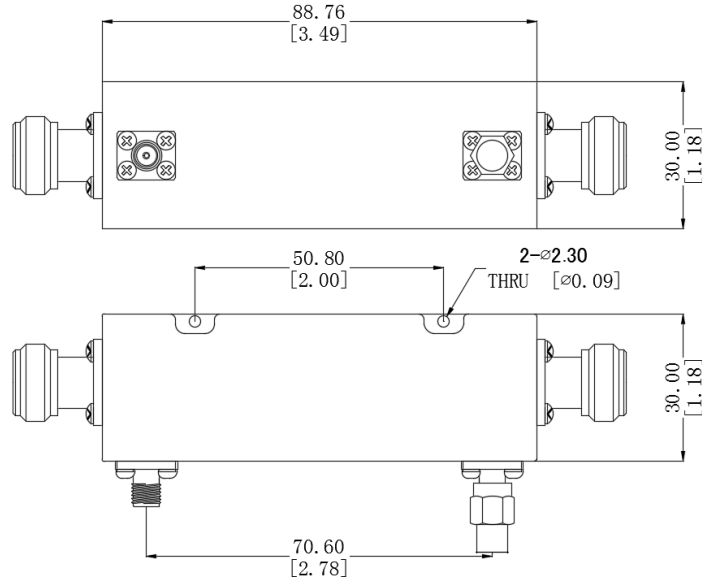
No.89,Huahan Road, chenghua Zone Chengdu, Sichuan China Zip Code:610000

All Dimensions in mm

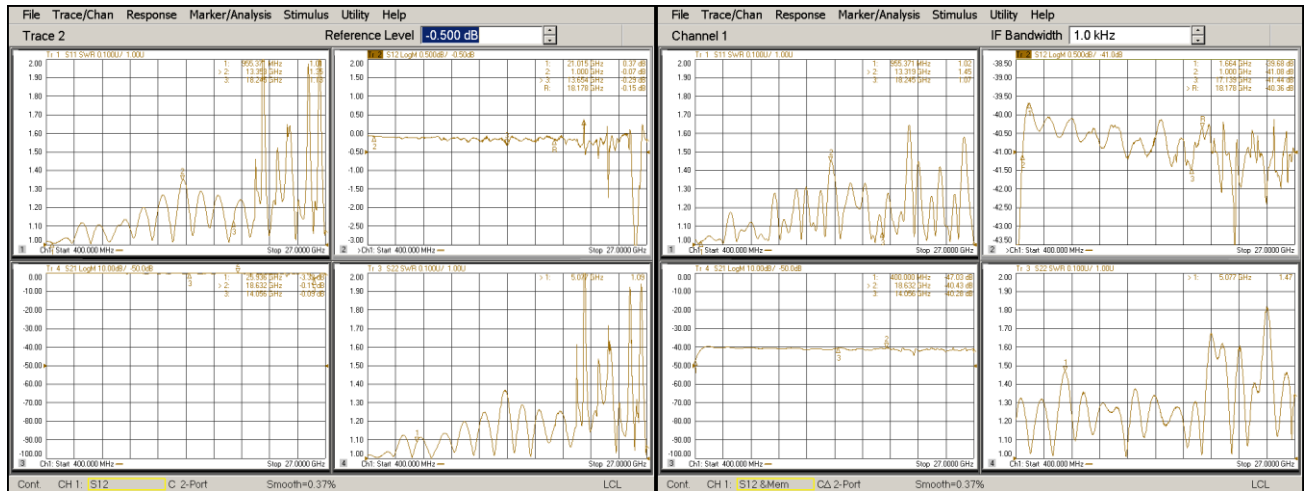
Outline Tolerances  $\pm 0.5(0.02)$

Mounting Holes Tolerances  $\pm 0.2(0.008)$

All Connectors: N-Female



## TEST DATA



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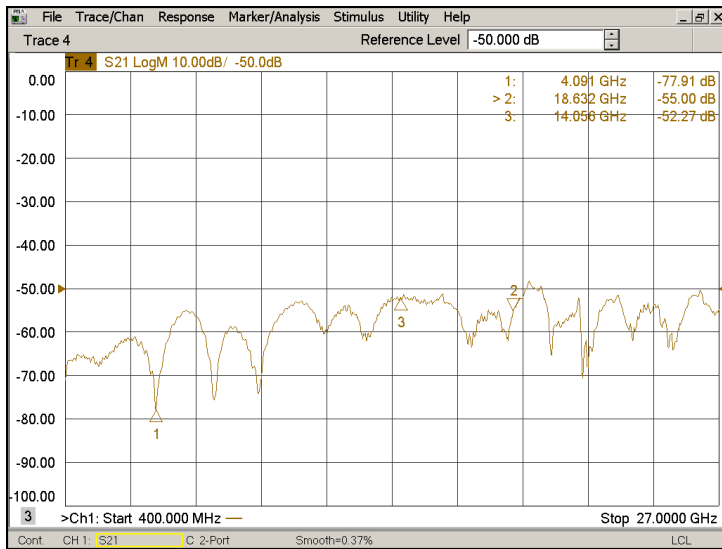
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