

HD26190

2500-2700MHz Band Pass Filter

Features

- Center Frequency: 2600MHz
- Pass Band: 2500 – 2700MHz
- Insertion Loss: 1.8dB
- Input/Output Impedance: 50Ω
- Maximum Input Power: 2W
- 4-Pole Ceramic Technology
- SMA Connector



Description

HD26190 is a 4-pole ceramic 2500-2700MHz Band Pass Filter for 2.6GHz Band application.

Electrical Specifications @ +25 °C, $Z_S = Z_L = 50 \Omega$

| Parameter | Unit | Minimum | Typical | Maximum |
|---------------------------------|---------------------------|-----------------------|----------------|---------|
| Frequency Range | MHz | 2500 | | 2700 |
| Center Frequency | MHz | | 2600 | |
| Insertion Loss | dB | | 1.8 | |
| Rejection at 2300MHz | dB | | 53 | |
| Rejection at 3000MHz | dB | | 53 | |
| Maximum Input Power | W | | 2.0 | |
| Input/output impedance | Ω | | 50 | |
| Group Delay | ns | | 4 | |
| Group Delay Ripple | ns | | ± 2 | |
| VSWR | Input VSWR Output VSWR | | 2.3:1 2.3:1 | |
| Size (excluding SMA connectors) | inch | 1.25" x 1.25" x 0.56" | | |
| Weight | Oz | 1.5 | | |

Note: Input and output are interchangeable

HD26190

2500-2700MHz Band Pass Filter

Typical Performance @ +25 °C



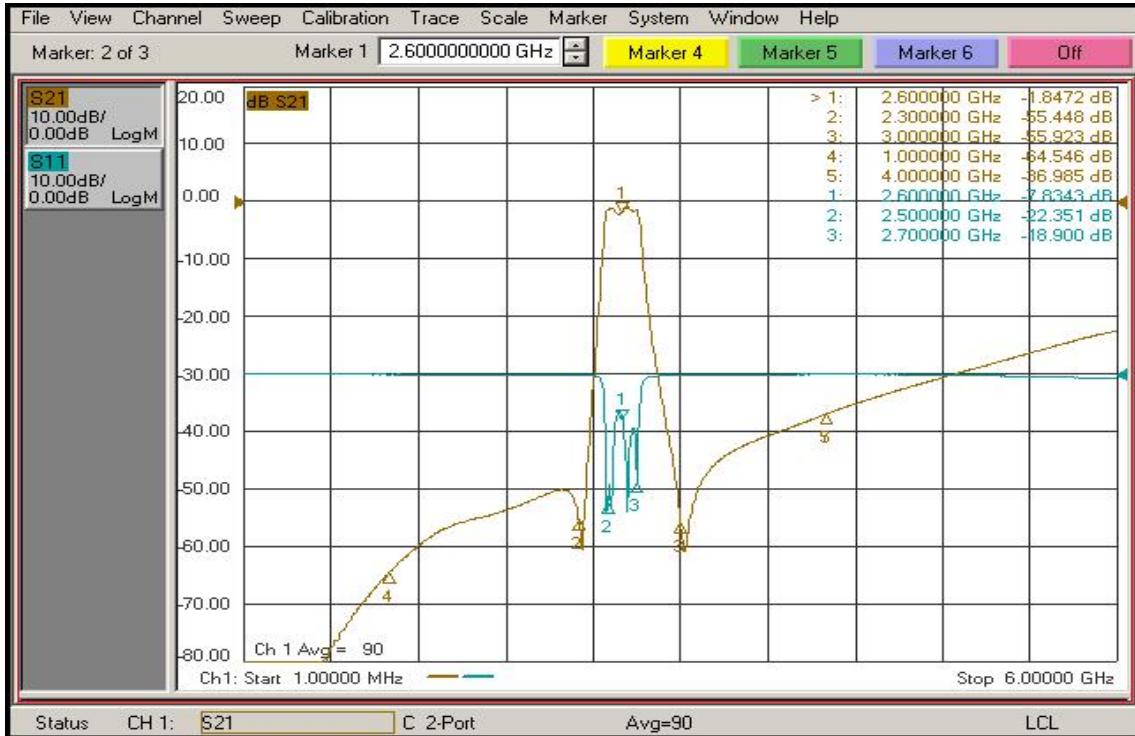
HD26190

2500-2700MHz Band Pass Filter



HD26190

2500-2700MHz Band Pass Filter



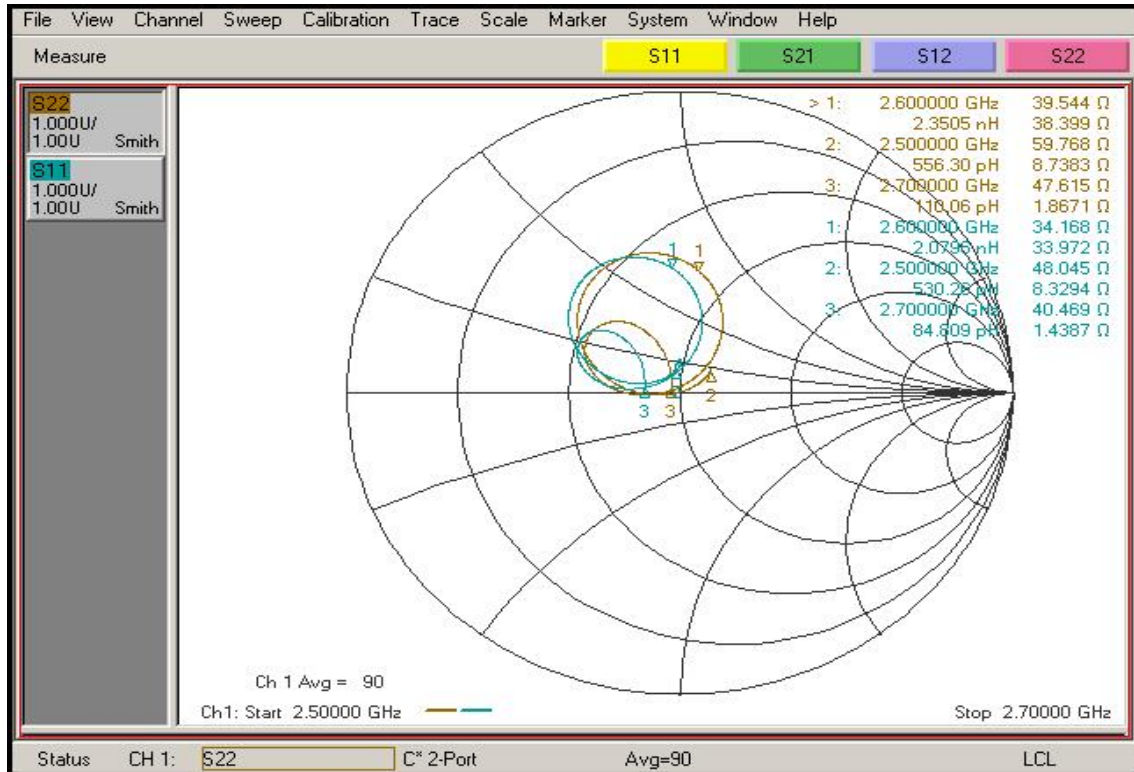
HD26190

2500-2700MHz Band Pass Filter



HD26190

2500-2700MHz Band Pass Filter



HD26190

2500-2700MHz Band Pass Filter



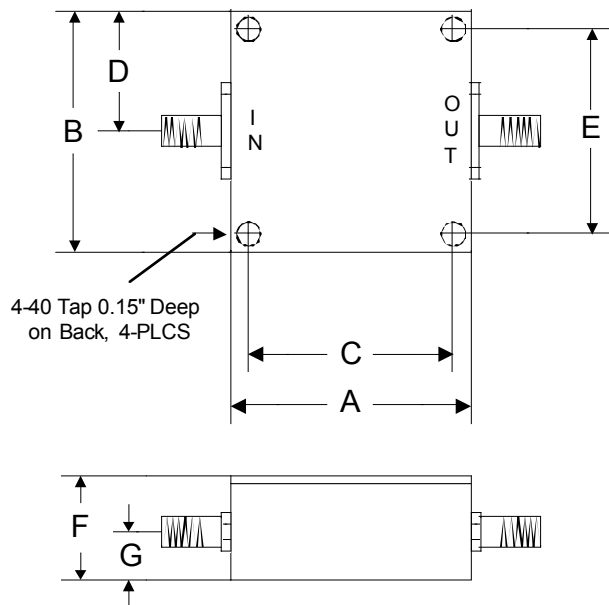
HD26190

2500-2700MHz Band Pass Filter

Absolute Maximum Ratings

| Parameter | Absolute Maximum |
|-----------------------|-------------------|
| RF Input Power | +33dBm |
| Operating Temperature | -40 °C to +85 °C |
| Storage Temperature | -65 °C to +150 °C |

Outline



| | A | B | C | D | E | F | G |
|------|-------|-------|-------|-------|-------|-------|-------|
| Inch | 1.250 | 1.250 | 1.000 | 0.625 | 1.000 | 0.563 | 0.250 |
| mm | 31.75 | 31.75 | 25.40 | 15.88 | 25.40 | 14.29 | 6.35 |