

Features

- SSS Filter - Suspended Substrate Stripline Filter
- Flat frequency response and low insertion loss
- Covers the 1 GHz to 18 GHz Frequency Range
- Wide bandwidth and 3 dB BW Available from 5-50% (f_0)
- Designs that Cover up to 40 GHz Also Available
- MIL-E-5400 standard



| Parameters | | Min. | Typ. | Max. | Units |
|---------------------------|--------------------------------------------|------------|------|------|--------|
| Frequency Range | | DC | | 4 | GHz |
| Insertion Loss | | | 0.8 | 1.0 | dB |
| Pass Band Ripple | | | 0.8 | 1.0 | dB |
| VSWR | | | 1.35 | 1.5 | : 1 |
| Rejection | @4.6-10GHz | 50 | 60 | | dB |
| Power Rating | Average | | | 15 | W |
| | Peak (10% Duty Cycle, 1 us Pulse Width) | | | 100 | W |
| Impedance | | 50 | | | Ohms |
| Weight | | 1.3 Max. | | | ounces |
| Input / Output Connectors | | SMA-Female | | | |
| Material | | Aluminum | | | |
| Finish | | Gray Paint | | | |

Environmental Specifications

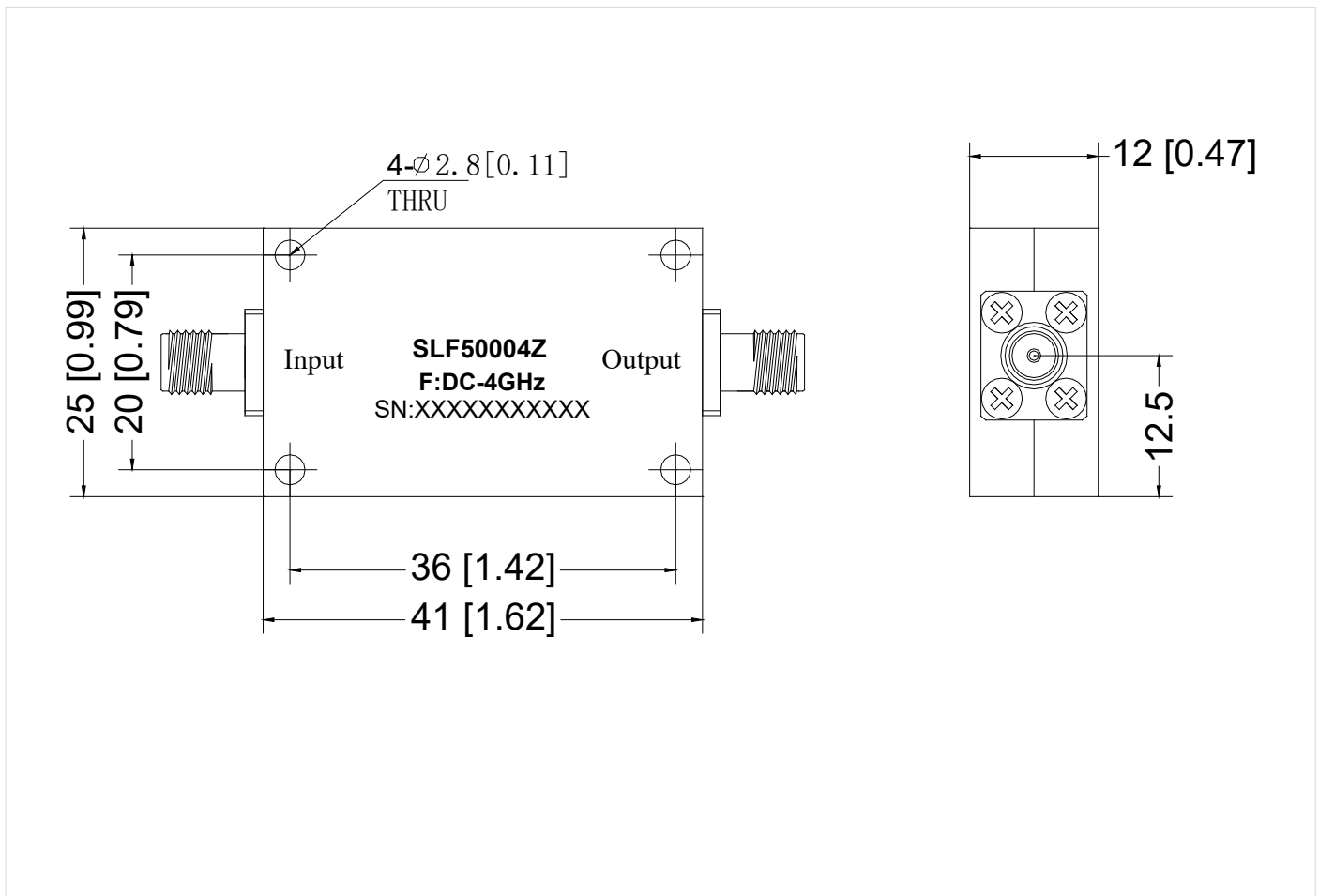
| | |
|-------------------------|-----------------------------------------------------------------------|
| Operational Temperature | -55°C~+85°C |
| Storage Temperature | -55°C~+125°C |
| Altitude | 30,000 ft. (Epoxy Sealed Controlled environment) |
| (Optional) | 60,000 ft. 1.0psi min (Hermetically Sealed Un-controlled environment) |
| Vibration | 25g RMS (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 |

Outline Drawing:

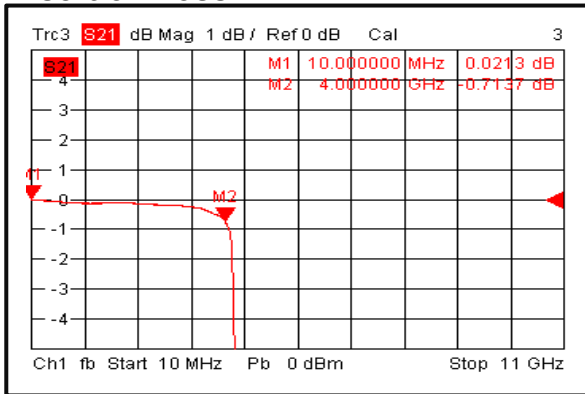
All Dimensions in mm (inches)

Outline Tolerances ±0.5(0.02)

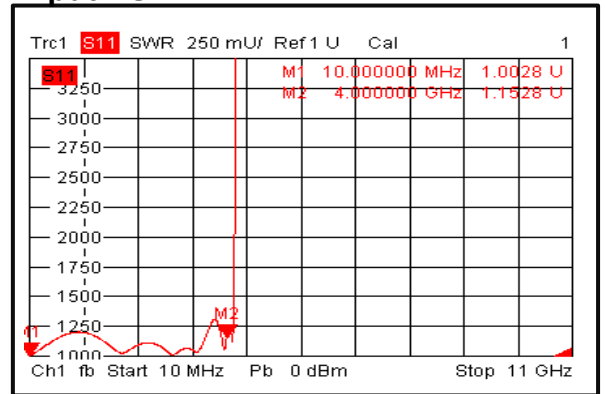
Mounting Holes Tolerances ±0.2(0.008)



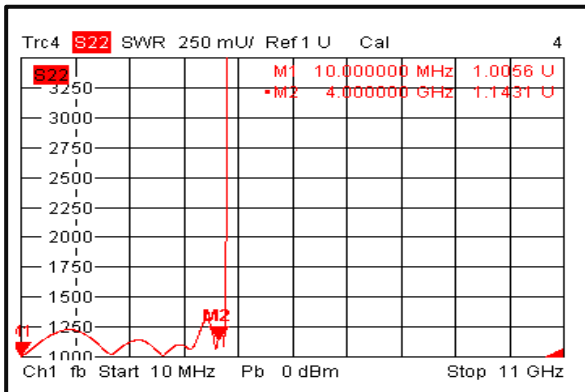
Insertion Loss



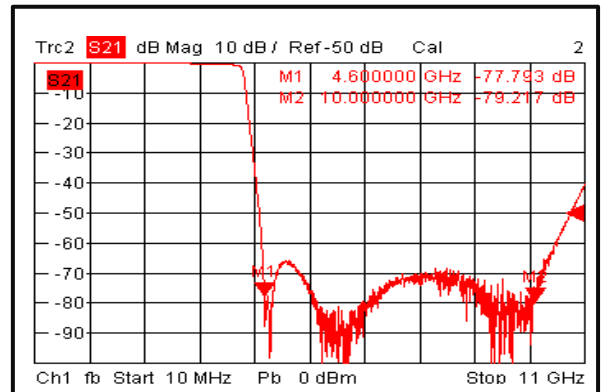
Input VSWR



Output VSWR



Rejection



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