

YSFA50-40-XX-K

Fixed Attenuator, DC-40 GHz, 50 W, 2.92 mm Connector

Key Features

- DC to 40 GHz Ultra-Wideband
- 50 W Average / 200 W Peak Power
- Multiple Outline Options
- Low VSWR & High Accuracy
- Rugged & Reliable

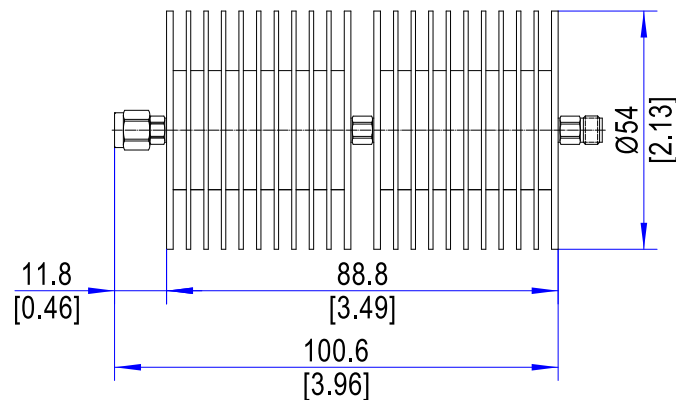
Applications

- RF And Microwave Test Systems
- Millimeter-Wave Communication
- Signal Conditioning In RF Chains
- Instrumentation Protection
- Aerospace And Defense Systems

| Electrical Specifications | | | | |
|------------------------------|----------------------------|---|------|------|
| 1 | Nominal Impedance | 50 Ω | | |
| 2 | Average Power ¹ | 50 W @ 25°C | | |
| 3 | Peak Power | 200 W (pulse width: 5 μs, duty cycle: 10%) | | |
| 4 | Frequency Range | DC- 40 GHz | | |
| 5 | VSWR | ≤1.35 | | |
| 6 | Attenuation (dB) | 20 | 30 | 40 |
| 7 | Accuracy (dB) | ±3.0 | ±3.0 | ±3.0 |
| Environmental Specifications | | | | |
| 1 | Operating Temperature | -55°C to +125°C | | |
| Mechanical Specifications | | | | |
| 1 | Connectors | 2.92 mm Male to Female Other configurations available upon request | | |
| 2 | Body Material | Connector: Passivated Stainless Steel Heat Sink: Black Anodized Aluminum | | |
| 3 | Insulation | PEI | | |
| 4 | Inner Conductor | Gold Plated Brass/ Beryllium Brass | | |

Note1: Power derates linearly to 5 W at +125°C. Refer to the power derating curve for details.

Outline Drawing (Units: mm/[inch], Tolerance: ± 0.5 mm)



Ordering Information:Model: **YSFA50-40-XX-K**

YY = Attenuation Value in dB

Example: 40 GHz, 20 dB→**YSFA50-40-20-K**