



Features

- Cryogenic Operation to < 4 K
- Field-Proven in Quantum Computing
- Precision attenuation & Low VSWR up to 27GHz
- Non-Magnetic and Nickel-Free Plating to Avoid Magnetic Noise
- Stable Attenuation Over Temp with Laser Trimmed Resistive Element

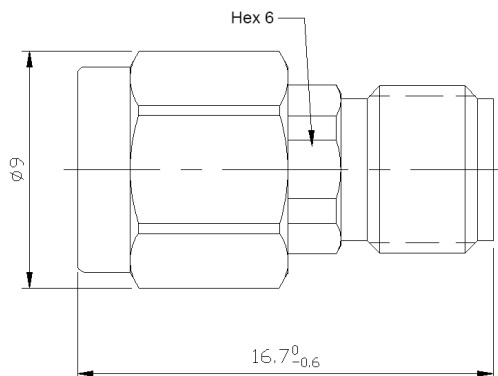
Electrical

Impedance	50 ohm				
Frequency Range	DC-27 GHz				
VSWR	1.3 max				
Input Avg Power	2W@ 25°C ambient, derating linearly to 0.2W at 100°C				
Peak Power	20W (5 micro-sec pulse width, 0.5% duty cycle)				
Attenuation(dB)	3	6	10	20	30
Accuracy(dB)	±0.7	±0.7	±0.7	±0.7	±0.7

Mechanical & Environmental

Connector Body	Gold plated beryllium copper
Center Contact	Gold plated beryllium copper for female and male contacts
Substrate	Aluminum nitride
Resistor Material	Thin Film
Net Weight	Approx 3g
Operating Temperature	4 K to +125°C

Dimensions(mm)

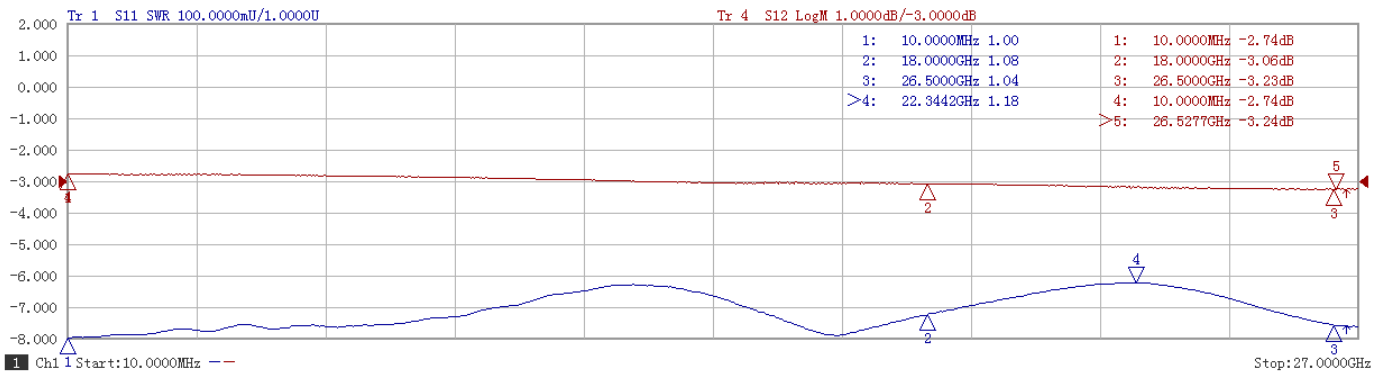


SMA Fixed Attenuator, DC-27 GHz, 2 Watts For Cryogenic Application

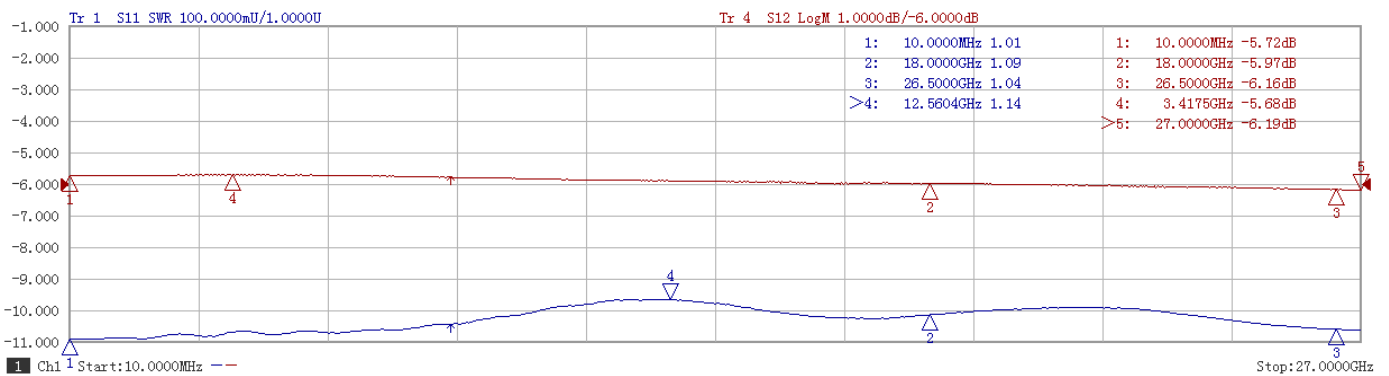


Typical Test Data

3dB



6dB

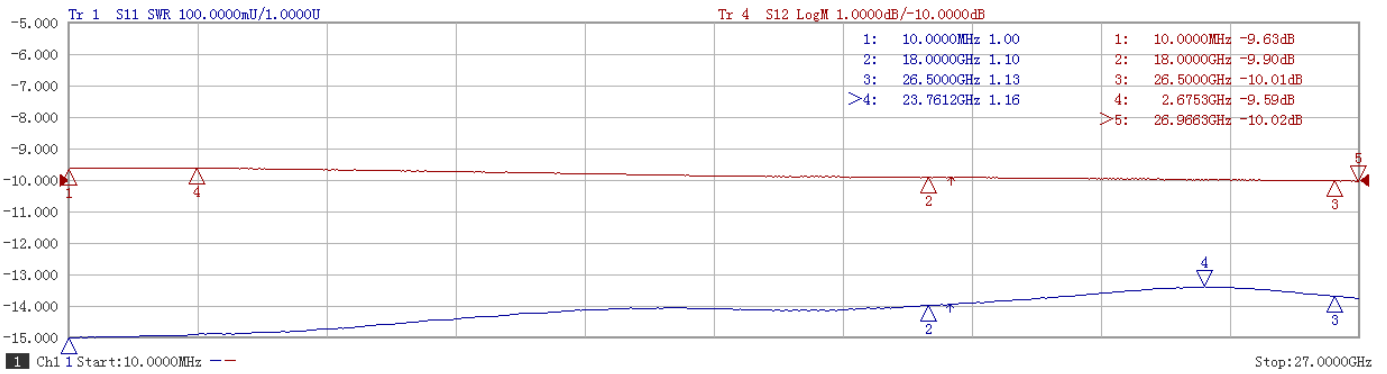




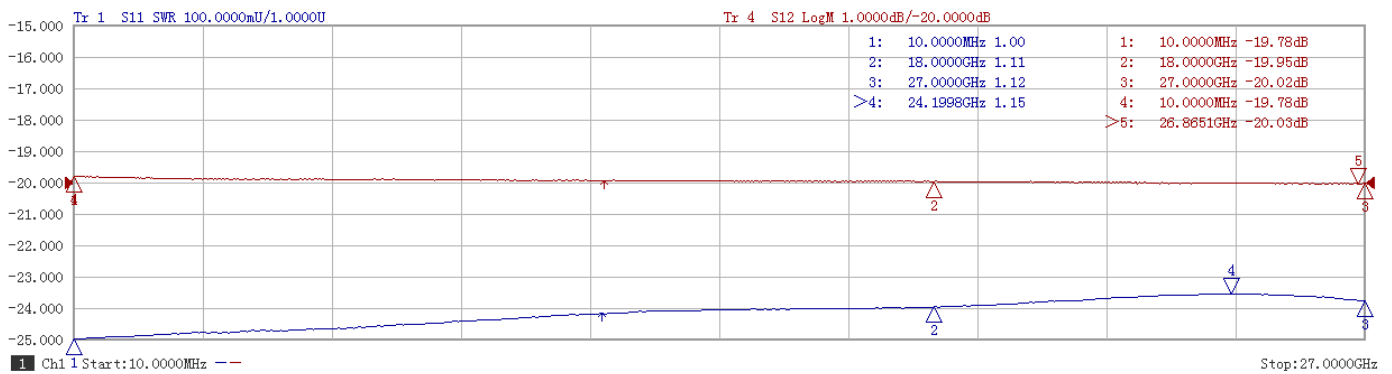
SMA Fixed Attenuator, DC-27 GHz, 2 Watts For Cryogenic Application

Typical Test Data

10dB



20dB



30dB

