Table 1-2. HP 8449A Specifications and Characteristics

FREQUENCY	
Frequency Range	2.0 to 22.0 GHz
AMPLITUDE	
Flatness	
2.0 to 22.0 GHz	±3.8 dB; ±2.4 dB Typical
Small Signal Gain	
0°C to 55°C	≥23 dB
20°C to 30°C	≥26 dB; ≥30 dB Typical
Noise Figure	
2.0 to 22.0 GHz	≤12.5 dB; ≤9.0 dB Typical
Temperature Drift	*≤−0.12 dB per °C*
Gain Compression	*≤ 1 dB for output signal of +7 dBm*
Spectral Purity	
Third Order Intercept Measured at Amplifier Output	*+15 dBm*
Second Harmonic Intercept Measured at Amplifier Output	*≥+30 dBm*
Reverse Isolation	*Reduces spectrum analyzer local oscillator emissions >75 dB*
INPUT AND OUTPUT	
Maximum Safe Power Input	+20 dBm (100 mW)
Maximum DC Input	±20 V
Input and Output	*SMA, 50Ω nominal*
VSWR	
Input	
2.0 to 22.0 GHz	*≤2.0:1*
Output	
2.0 to 22.0 GHz	*≤2.0:1*

Table 1-2. HP 8449A Specifications and Characteristics

GENERAL	
Power Requirements	100, 120, 220, or 240 V (±10%), 47 to 63 Hz
Temperature Range	
Operation	0°C to +55°C
Storage	−40°C to +75°C
Environmental	Type tested per MIL-T-28800C, Type III, Class 5, Style E
EMI	Conducted and radiated emissions are in compliance with the requirements of FTZ 1046, CISPR Publication 11 (1975); and MIL-STD-461C, Part VII, Methods CE03 and RE02.
Weight	2.9 kg (6.4 lb)
Dimensions