

Table 2. Specifications

HP 8481A	
Power Range: -30 dBm to +20 dBm (1 μ W — 100 mW)	
Frequency Range: 10 MHz — 18 GHz	
Nominal Impedance: 50 Ω	
Maximum SWR (Reflection Coefficient):	10 MHz to 30 MHz <1.4 (0.166) 30 MHz to 50 MHz <1.18 (0.083) 50 MHz to 2 GHz <1.10 (0.048) 2 GHz to 12.4 GHz <1.18 to 0.083) 12.4 GHz to 18 GHz <1.28 (0.123)
Maximum Power: 300 mW Average	
Maximum Peak Power: 15W Peak	
Maximum Energy/Pulse: 30W \cdot μ s	
RF Connector: Type N Male	
HP 8482A	
Power Range: -30 dBm to +20 dBm (1 μ W — 100 mW)	
Frequency Range: 100 kHz — 4.2 GHz	
Nominal Impedance: 50 Ω	
Maximum SWR (Reflection Coefficient):	100 kHz to 300 kHz <1.60 (0.231) 300 kHz to 1 MHz <1.20 (0.091) 1 MHz to 2 GHz <1.10 (0.048) 2 GHz to 4.2 GHz <1.30 to 0.130)
Maximum Power: 300 mW Average	
Maximum Peak Power: 15W Peak	
Maximum Energy/Pulse: 30W \cdot μ s	
RF Connector: Type N Male	
HP 8483A	
Power Range: -30 dBm to +20 dBm (1 μ W — 100 mW)	
Frequency Range: 100 kHz — 2 GHz	
Nominal Impedance: 75 Ω	
Maximum SWR (Reflection Coefficient):	100 kHz to 600 kHz <1.80 (0.286) 600 kHz to 2 GHz <1.18 (0.083)
Maximum Power: 300 mW Average	
Maximum Peak Power: 10W Peak	
Maximum Energy/Pulse: 30W \cdot μ s	
RF Connector: Type N Male (75 Ω)	
Dimensions, Including RF Connector: 30 mm wide, 38 mm high, 105 mm long (1 in. x 1 $\frac{1}{2}$ in. x 5 in.)	
Weight: Net, 0.2 kg (8 oz)	

Note

When operating in the top 10 dB input power range (e.g. +10 to +20 dBm), an error due to deviation from square law operation may occur. This possible error, which applies to the 8481A, 8482A, and 8483A, is expressed as follows:

Worst Case Power Linearity:

+2/-4% (+10 to +20 dBm input range)

Negligible (-30 to +10 dBm input range)