

Table 2. Specifications

<b>8481A</b>	
<b>Power Range:</b> -30 dBm to +20 dBm (1 $\mu$ W — 100 mW)	
<b>Frequency Range:</b> 10 MHz — 18 GHz	
<b>Nominal Impedance:</b> 50 $\Omega$	
<b>Maximum SWR (Reflection Coefficient):</b>	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)
<b>Maximum Power:</b> 300 mW Average	
<b>Maximum Peak Power:</b> 15W Peak	
<b>Maximum Energy/Pulse:</b> 30W $\cdot$ $\mu$ s	
<b>RF Connector:</b> Type N Male	
<b>8482A</b>	
<b>Power Range:</b> -30 dBm to +20 dBm (1 $\mu$ W — 100 mW)	
<b>Frequency Range:</b> 100 kHz — 4.2 GHz	
<b>Nominal Impedance:</b> 50 $\Omega$	
<b>Maximum SWR (Reflection Coefficient):</b>	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)
<b>Maximum Power:</b> 300 mW Average	
<b>Maximum Peak Power:</b> 15W Peak	
<b>Maximum Energy/Pulse:</b> 30W $\cdot$ $\mu$ s	
<b>RF Connector:</b> Type N Male	
<b>8483A</b>	
<b>Power Range:</b> -30 dBm to +20 dBm (1 $\mu$ W — 100 mW)	
<b>Frequency Range:</b> 100 kHz — 2 GHz	
<b>Nominal Impedance:</b> 75 $\Omega$	
<b>Maximum SWR (Reflection Coefficient):</b>	100 kHz to 600 kHz <1.80 (0.286) 600 kHz to 2 GHz <1.18 (0.083)
<b>Maximum Power:</b> 300 mW Average	
<b>Maximum Peak Power:</b> 10W Peak	
<b>Maximum Energy/Pulse:</b> 30W $\cdot$ $\mu$ s	
<b>RF Connector:</b> Type N Male (75 $\Omega$ )	
<b>Dimensions, Including RF Connector:</b> 30 mm wide, 38 mm high, 105 mm long (1 3/16 in. x 1 1/2 in. x 5 7/8 in.)	
<b>Weight:</b> 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)

+/-3% for EPM Power Meters (+10 to +20 dBm input)

Negligible (-30 to +10 dBm input range)