

Table 1-4. Plug-In Specifications

5251A 20 to 100 MHz Frequency Converter* †	5253B 50 to 512 MHz Frequency Converter* †
<p>Range: 20 MHz to 100 MHz, using mixing frequencies of 20 MHz to 90 MHz in 10 MHz steps.</p> <p>Accuracy: Retains accuracy of basic counter.</p> <p>Input Voltage Range: 50 mV to 1 V rms.</p> <p>Maximum Input: 2 V rms or ± 100 Vdc will not damage the instrument.</p> <p>Input Impedance: Approximately 50 ohms.</p> <p>Level Indicator: Meter aids mixing frequency selection; indicates output voltage level to counter.</p> <p>Registration: Counter Display is added to the converter dial reading.</p> <p>Weight: Net 3 lbs (1, 5 kg); shipping 7 lbs (3 kg).</p>	<p>Range: 50 MHz to 512 MHz, using mixing frequencies of 50 MHz to 500 MHz in 10 MHz steps.</p> <p>Accuracy: Retains accuracy of basic counter.</p> <p>Input Voltage Range: 50 mV rms (-13 dBm in 50 ohms) to 1V rms (+13 dBm in 50 ohms).</p> <p>Maximum Input: 2V rms or 250 Vdc will not damage instrument.</p> <p>Input Impedance: Approximately 50 ohms.</p> <p>Level Indicator: Meter aids frequency selection; indicates output voltage level to counter.</p> <p>Registration: Counter display is added to the converter dial reading.</p> <p>Weight: Net 5 lbs (2, 3 kg); shipping 9 lbs (4, 1 kg).</p>
5252A Prescaler* †	5254A/5254B Frequency Converter*
<p>Operating Frequency Range: Dc to 350 MHz.</p> <p>Accuracy: Same as the basic counter.</p> <p>Input Sensitivity: 100 mV rms.</p> <p>Maximum Input: 2 volts rms, +20 dBm, or 100 mW.</p> <p>Input Impedance: 50 ohm (nominal).</p> <p>Operating Temperature Range: 0°C to +55°C.</p> <p>Scaled Output: 100 mV rms into 50Ω is available at the AUX A output BNC connector of the basic counter.</p> <p>Double Pulse Resolution: 2.8 ns</p> <p>Minimum Pulse Amplitude: 280 mV.</p> <p>Weight: Net 2.2 lbs (1 kg); shipping 6-3/4 lbs (3, 1 kg).</p>	<p>Range: 5254A: 300 to 3000 MHz. 5254B: 200 to 3000 MHz.</p> <p>Accuracy: Same as the basic counter.</p> <p>Input Signal Level: 50 mV rms (-13 dBm in 50 ohms) to 1V rms (+13 dBm in 50 ohms).</p> <p>Input Overload: Input power in excess of 100 mW (+2 dBm or 2.2V rms) may damage the converter.</p> <p>Input Impedance: Approximately 50 ohms.</p> <p>Input Connector: Type N female.</p> <p>Level Indicator: Meter aids frequency selection; indicates output voltage level to counter.</p> <p>Registration: Counter display in MHz is added to the converter dial reading.</p> <p>Weight: Net, 5 lbs (2, 5 kg); shipping 9 lbs (4 kg)</p>
<p>*When installed in the Model 5245L Electronic Counter.</p> <p>† A 50-ohm coaxial cable, 48 inches long (HP Part No. 10503A) male BNC to male BNC, is furnished with all of the above instruments.</p>	