

HP 11982A

HP 11982A Lightwave Converter 1200-1600 nm

Features:

- * Low pulse aberrations
- * High sensitivity
- * Time- and frequency-domain measurements



A wide-bandwidth, sensitive O/E converter for characterizing lightwave systems and components, the Keysight 11982A combines a PIN photodetector with a low-noise dc-coupled preamplifier to create a general-purpose front end. It covers wavelengths from 1200 to 1600 nm and bandwidths from dc to 15 GHz. With 300 V/W conversion gain and 0.05 percent input optical reflections, it significantly improves the sensitivity of the measurement system. The converter comes with a calibration chart of instrument-specific data for making corrected frequency response measurements.

SPECIFICATIONS	
Model	Agilent 11982A
Wavelength*	1200 - 1600 nm
Bandwidth*	dc - 15 GHz (Optical) dc - 11 GHz (Electrical)
Conversion Gain	dc responsivity >200 V/W, 300 V/W nominal
Input Return Loss*	23 dB
Corrected RF Frequency Response (dc to 22 GHz)	20°-30°C: ±2.2 dB 0°-55°C: ±4.7 dB
Maximum Safe Optical Input Power (Average)	10 mW (+10 dBm)
Maximum Operating Optical Input Power (Peak)	1.5 mW (+1.76 dBm)
* Characteristic, non-warranted performance	
Made in USA	