

### DESCRIPTION

The OPM-1 is an Optical Power Meter module that plugs in to the *XBERT* and *ParalleX™* Chassis. The module has a wide dynamic range of +10 to -70dBm over a wavelength range of 800nm to 1700nm. A universal interchangeable optical receptacle allows for mating with popular connector styles. Optical Power measurements can be displayed in dBm or Watts. When used in the *XBERT* chassis with *EBERT*, *Clock*, *VOA* and *XFP/SFP+* modules, users can perform receiver sensitivity tests with one instrument.



Optical Power Meter Module L-6001-OPM-1

### KEY FEATURES

- Wide Dynamic Range -70 to +10dBm
- Calibrated and NIST Traceable
- Interchangeable Optical Receptacle for Singlemode or Multimode:- LC, SC, Angled SC, FC/PC, FC/APC, ST, MU, Universal for 2.5mm diameter ferrules.
- Optical Power Measurements in dBm, Watts, or relative (P/Pref)
- LabView™ drivers available
- Small size: width 50.8mm (2")

### XBERT PLATFORM: LETS YOU START SMALL AND GROW BIG



*XBERT* is a low-cost, modular Bit Error Rate Test Platform used for verification and test of 10Gb/s and above optical and electrical chip, sub assembly and system designs. *ParalleX™* allows users to perform several BER tests at once using a single clock source. The system is ideal for developers desiring to run simultaneous BER tests on parallel interfaces or multiple independent interfaces. *XBERT* and *ParalleX™* are scalable so users can start off with a single channel and add modules to grow the system. Manufacturers can realize great savings by taking advantage of the *XBERT* and *ParalleX™* system's scalability to perform parallel testing in volume production environments.

# Optical Power Meter PN L-6001-OPM-1

## KEY PERFORMANCE PARAMETERS

PARAMETER	SYMBOL	Min	Max	UNIT	NOTE
Wavelength	$\lambda$	800	1700	nm	
Measurement Range	M <sub>R</sub>	-75	+10	dBm	
Measurement Units	M <sub>U</sub>	dBm, Watts, relative (P/Pref)			
Resolution	R	.01		dBm	
Accuracy	A	-5	+5	%	@23°C
Linearity	L	-0.3	+0.3	dB	NOTE 1
Available optical connector receptacles		LC, SC, Angled SC, NTT-FC/PC, FC/APC, AT&T-ST, MU, Universal for 2,5mm diameter ferrules			
Operating Temperature	T <sub>OP</sub>	0	50	°C	Ambient temp.

NOTE 1 Measured at 23°C, 1550nm between 0 to -60dBm.