

PN L-6001-OPM-1

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.

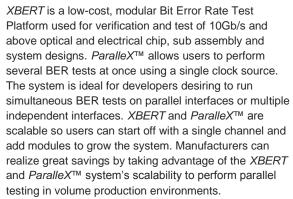
KEY FEATURES

- 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")



Optical Power Meter Module L-6001-OPM-1

XBERT PLATFORM: LETS YOU START SMALL AND GROW BIG







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KEY PERFORMANCE PARAMETERS

| PARAMETER | SYMBOL | Min | Max | UNIT | NOTE | |
|---|-----------------|----------------------------------|--|------|---------------|--|
| Wavelength | λ | 800 | 1700 | nm | | |
| Measurement Range | M _R | -75 | +10 | dBm | | |
| Measurement Units | Mu | 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 | | I | LC, SC, Angled SC, NTT-FC/PC, FC/APC, AT&T-ST, MU, Universal for 2,5mm diameter ferrules | | | |
| Operating Temperature | T _{OP} | 0 | 50 | °C | Ambient temp. | |

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



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