



PR-23-M

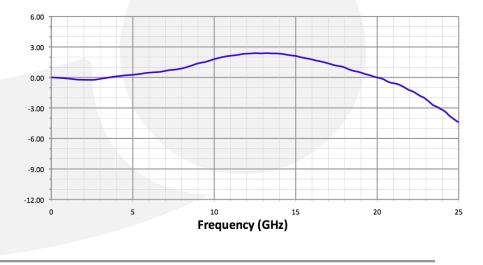
1	Photodiode Wavelength Range	1250 nm to 1650 nm
SPECIFICATIONS	Operational Bandwidth	0.005 GHz to 23 GHz
	Optical Input Level	+3 dBm max.
	Responsivity	0.65 A/W 🛽 1550 nm typ.
GENERAL	Trans-Impedance Gain	4500 typ.
	S21 3 dB Bandwidth	23 GHz typ., 21 GHz min.
	S22 Characteristics	< -10 dB to 10 GHz typ.
	Optical Return Loss	-30 dB typ.
	2 nd Harmonics Distortion	-60 dBc max.
	3 rd Harmonics Distortion	-70 dBc max.
	Optical PDL @ 1550 nm	0.05 dB typ., 0.1 dB max.
	Output Coupling	AC Coupled
	RF Impedance	50 Ω
	Ripple Over Bandwidth	± 1.0 dB

Operating Temperature	-40 °C to +70 °C
Storage Temperature	-55 °C to +85 °C
Power Supply Requirements	+12 V DC, 500 mA max.
Optical Connector	FC/APC
RF Input Connector	K Connector Female, 50 Ω
DC Connector	UZB
Local Alarm	LED: Optional Input Power
Remote Alarms	RS-232
Dimensions	130 mm x 70 mm x 35 mm
Accessories Included	110 V- 240 V AC Adaptor & Cable
Housing	Precision Mach. Anodized Aluminum

MECHANICAL

TYPICAL S21 BANDWIDTH

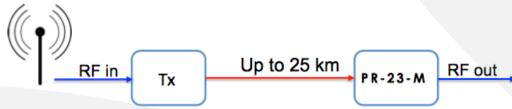






23 GHZ RF OVER FIBER LINK CONFIGURATION

The PR Series can be ordered as RF over Fiber 23 GHz Link. This link, the LL-23 series form a high-performance set that include the 15 GHz transmitter and 23 GHz Amplified Receiver. Below is a diagram of how the RF over Fiber link functions. Go to optilab.com/LL12 for more information.



23 GHZ LINK WITH OPTIONAL EDFA CONFIGURATION

The LL-23 can come equipped with an optional EDFA that is used to overcome transmission loss in long distances.



LINK CONFIGURATION USING MULTIPLE WAVELENGTHS

The LL series of products can have multiple wavelengths integrated using WDM multiplexers. Up to 8 wave- lengths can be installed into a single rackmountable chassis. Below is an illustration of a typical 4 wavelength RF over Fiber link using WDM multiplexers.

