



## //\_\_\_\_ IML-1550-40-G

1	Input Optical Power	100 mW max. available
SPECIFICATIONS	Operating Wavelength	1530 to 1610 nm
	Chirp Value	< ± 0.2 (zero chirp design)
	Insertion Loss	< 4.0 dB typ., 4.5 dB max.
GENERAL	Extinction Ratio	≥ 23 dB min., ≥ 30 dB min. (HER version)
	Optical Return Loss	≤ -45 dB
	S21 Bandwidth (RF Port)	30 GHz typ.
	S11 Return Loss (RF Port)	≤ -10 dB @ up to 40 GHz
	$V\pi$ (RF Port)	3.0 V typ. @ low frequency, 3.0 V typ. @ 10 GHz, 4.3 V typ. @ 30 GHz
	RF Input Power	27 dBm max.
	$V\pi$ (Bias Port)	< 2 V 🖻 1 KHz
	PD Responsivity	0.05 ± 0.02 mA/mW
ANALOG LINK	IIP3 @ 7 GHz	25 dBm typ.
PERFORMANCE	1 dB Compression Point @ 10 GHz	8.0 dBm typ.
	Operating Temperature (Standard)	-30 °C to +60 °C
	Storage Temperature	-60 °C to +90 °C
MECHANICAL	Operating Humidity	0% to 90% Relative Humidity
	Input Fiber Type	PANDA – PM
	Output Fiber Type	SMF-28
	Input Connector	PM FC/APC, or other type
	Output Connector	SM FC/APC
	Material	LiNb03
	Crystal Orientation	X-cut, y-propagating
	Waveguide Process	Ti-indiffused
	Bias Port Connector	Single Lead Pin
	PD Monitor Port	2 Lead Pin
	RF Port Connector	GPPO
	Cabling	900 µm tubing
	Dimensions	70mm x 10mm x 7mm

## OPTIONS

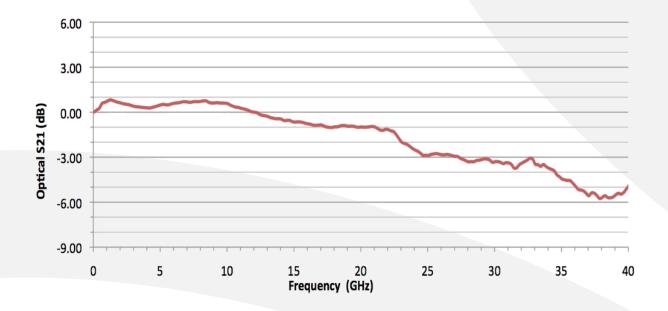
IML-1550-40-G-XXX

XXX HER: High Extinction Ratio





## TYPICAL S21 BANDWIDTH



## TYPICAL S11 BANDWIDTH

