

## MT80-FIR40-Fio-xx

### PRODUCT OVERVIEW

This fiber pigtailed device is meant to be used for a single wavelength within their range of operation [1850-2100 nm]. It can be used for intensity modulation, fixed or variable frequency shifting, pulse picking or q-switching. In order to meet most requirements, user can select the fiber type, fiber jacket and fiber connectors among the proposed ones.

### FEATURES

- High Speed.
- High Extinction ratio.
- Robust & Versatile.

### SPECIFICATIONS (T=25°C)



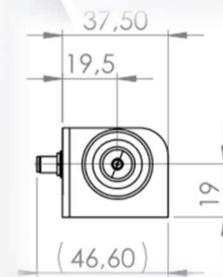
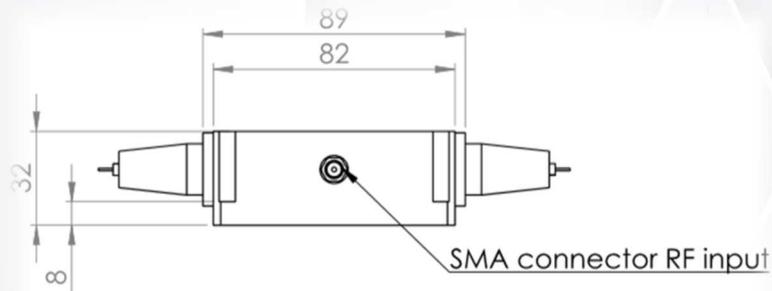
PARAMETER	RATING	UNIT
Material	TeO <sub>2</sub> -L - 4200	m/s
Optical Wavelength range (λ)*	1850-2100*	nm
Carrier Frequency / Frequency shift	+ 80 (Upshifted) or -80 (downshifted)	MHz
Insertion losses (IL)	≤6	dB
Input / Output Polarization	Linear (PM fibers) or random (SM fibers)	
Rise/Fall time	≤40	ns
Polarisation Extinction Ratio (PER)	≥18	dB
Polarisation dependence losses (PDL)	≤1	dB
Static Extinction Ratio	≥45	dB
Optical power CW	0.5 or 5	W
Jacket type	900 μm Hytrel Tubing or 3mm PVC or Stainless Steel	
Fiber type	Coherent / Nufern PM1950 or SM1950	
Fiber connectors**	FC/APC**	
Pigtailed Length IN/OUT	1	m
Input impedance	50	Ω
V.S.W.R	1.2/1	
RF Power (P)	≤2.5	W
RF Connector	SMA	
Size	89 x 46.6 x 32.5	mm
Weight	250	g
Packaging	IN PRO 334	
RoHS Compliance	Yes	

\*Single wavelength to be specified within that range.

\*\*While internal termination is designed for high optical power, we recommend removing the connectors and splicing the fiber for full power optical power handling.

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### OUTLINE DRAWING, mm



4x FIXING HOLES FOR SCREWS M2.5

