

## MA40-IIR120-Fio-xx

### PRODUCT OVERVIEW

This fiber pigtailed device is meant to be used for a single wavelength within the range of operation [1290-1650 nm]. It can be used for intensity modulation or frequency shifting. Common applications include optical shutter in telecommunications, Lidar and many others. In order to meet most requirements, user can select the fiber type, fiber jacket and fiber connectors among the proposed ones.

### FEATURES

- Polarisation insensitive
- Low RF power.
- High Extinction ratio
- Robust & Versatile



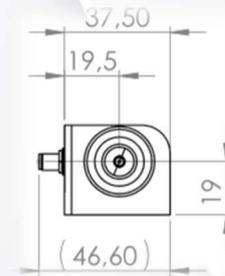
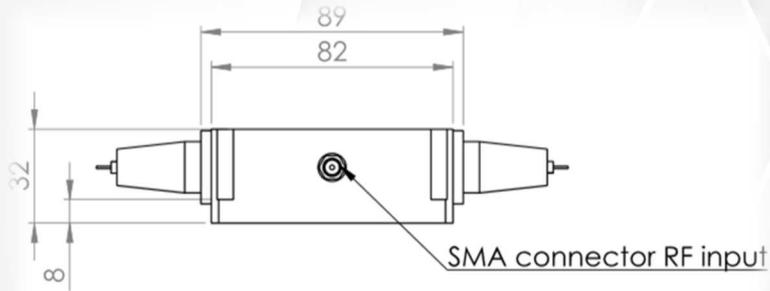
### SPECIFICATIONS (T=25°C)

PARAMETER	RATING	UNIT
Material – Acoustic velocity	Chalcogenide Glass - 2520	m/s
Optical Wavelength range ( $\lambda$ )*	1290-1650 *	nm
Carrier Frequency / Frequency shift	+ 40 (Upshifted) or -40 (downshifted)	MHz
Insertion losses (IL)	$\leq 3$	dB
Rise/Fall time	120	ns
Analog Amplitude modulation bandwidth -3 dB	4	MHz
Polarisation Mode Dispersion (PMD)	N.A	ps
Polarisation dependence losses (PDL)	N.A	dB
Static Extinction Ratio	$\geq 45$	dB
Optical power CW	$\leq 100$	mW
Jacket type	900 $\mu$ m Hytrel Tubing or 3 mm PVC or Stainless Steel	
Fiber type	SMF 28 or PM 1550 or PM 1300	
Fiber connectors	FC/APC	
Pigtailed Length IN/OUT	1	m
Input Impedance	50	$\Omega$
V.S.W.R	1.2/1	
RF Power (P)	$\leq 0.2$	W
RF Connector	SMA	
Size	89 x 46.6 x 32.5	mm
Weight	60	g
Packaging	IN PRO 334	
RoHS Compliance	Yes	

\*Single wavelength to be specified within that range.

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### OUTLINE DRAWING, mm



4x FIXING HOLES FOR SCREWS M2.5

