

**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.

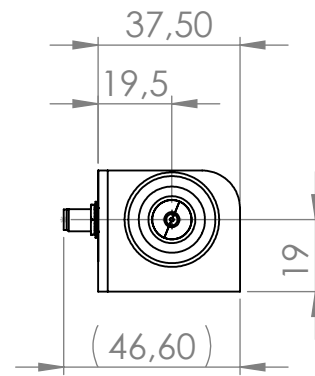
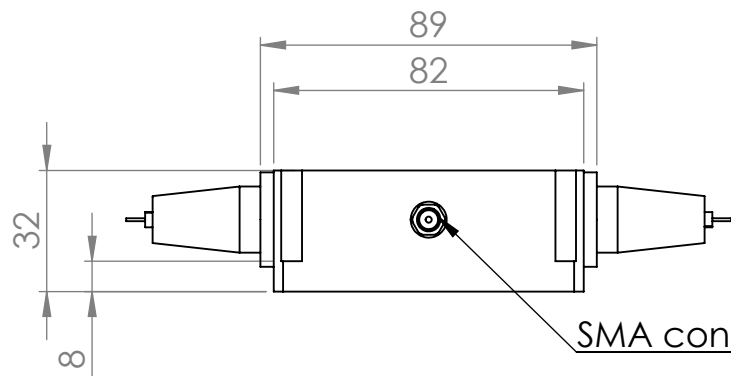
**Features**

- High speed
- High extinction ratio
- Robust and versatile.

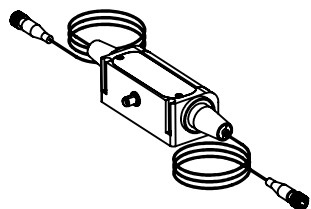
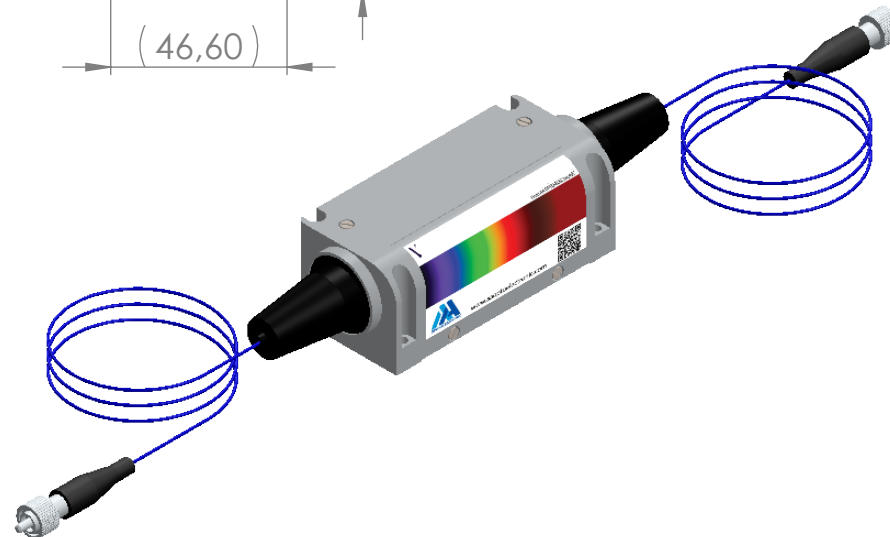
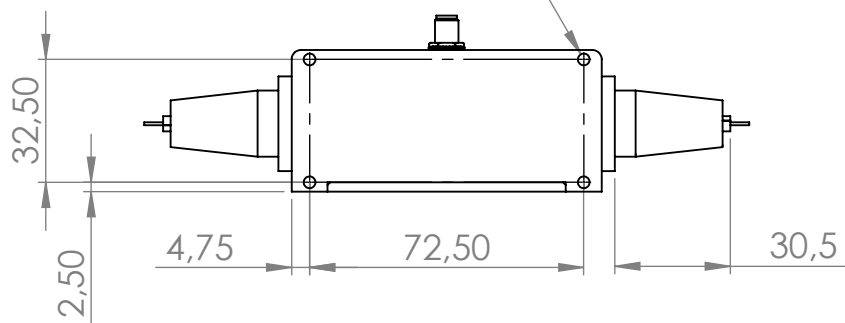


	Units	Min	Nom	Max
Material		TeO <sub>2</sub> [L]		
Optical Wavelength range (λ)	nm	1850		2100
Carrier Frequency / Frequency shift	MHz	+ 80 or - 80		
Insertion losses (IL)	dB		4	6
Input / Output Polarization		Linear (PM fibers) or Random (SM fibers)		
Rise/Fall time	ns		30	40
Analog Amplitude modulation bandwidth (F <sub>-3 dB</sub> )	MHz			12
Polarisation Extinction Ratio (PER)	dB	18	20	
Polarisation dependence losses (PDL)	dB			1
Static Extinction Ratio	dB	45	50	
Optical power CW	W			0.5 or 5
Jacket type		900 μm Hytrel tubing or 3mm PVC or 3 mm Stainless Steel		
Fiber type		PM 1950 or SM1950		
Fiber connectors		FC/APC or Super FC/PC		
Pigtailed length IN/OUT	m	1		
Input impedance	Ω		50	
V.S.W.R			1.2/1	
RF Power (P)	W			2.5
RF Connector		SMA		
Size	mm <sup>3</sup>	89 x 46.6 x 32.5		
Weight	g		250	
Packaging		IN PRO 334		
RoHS Compliance		Yes		

\*  $F_{-3dB} = \frac{0.48}{T_r}$



4x FIXING HOLES FOR SCREWS M2.5



B	28/04/16	G.M	Réhausse fibre de 18 à 19.		
A	17/12/14	G.M	Plan initial / Initial plan		
Indice Index	Date	Auteur Author	Modifications		
Conception Design	GM	Désignation / Designation		<p style="text-align: center;"><b>PLAN D'INTERFACE</b></p> <p style="text-align: center;">Référence / Reference</p> <p style="text-align: center;"><b>IN-PRO-334</b></p>	
Vérification Checking	YN	Référence / Reference			
Tolérance Tolerance	ISO 2768mK	Référence / Reference			
Echelle Scale	1:2	Matière / Material	Traitement / Treatment	Finition / Finish	
		Format A4	Folio / Sheet		Indice / Index
			1/1		B