

MT40-IIR80-Fio-xx, MT80-IIR30-Fio-xx MT110-IIR20-Fio-xx, MT160-IIR10-Fio-xx, MT200-IIR30-Fio-xx

AO FIBER PIGTAILED MODULATOR/SHIFTER, MIR IIR RANGE 1290-1650 nm

Product Overview

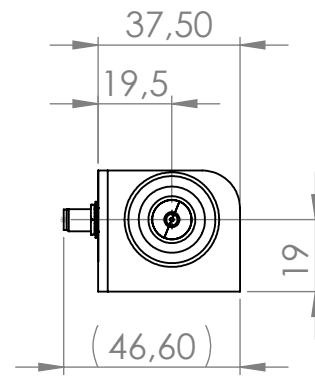
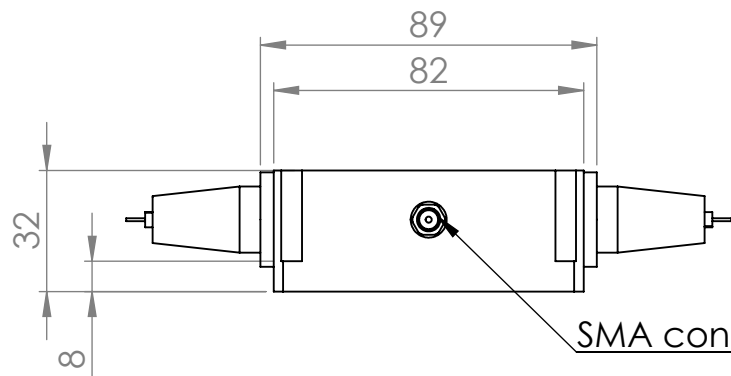
These fiber pigtailed devices are meant to be used for a single wavelength within their range of operation [1290-1650 nm]. They can be used for intensity modulation, fixed or variable frequency shifting, pulse picking or q-switching. AA offers a complete range with different carrier frequencies, different rise times, input optical power. Moreover, in order to meet most requirements, user can select the fiber type, fiber jacket and fiber connectors among the proposed ones.

Features

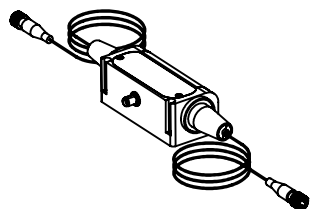
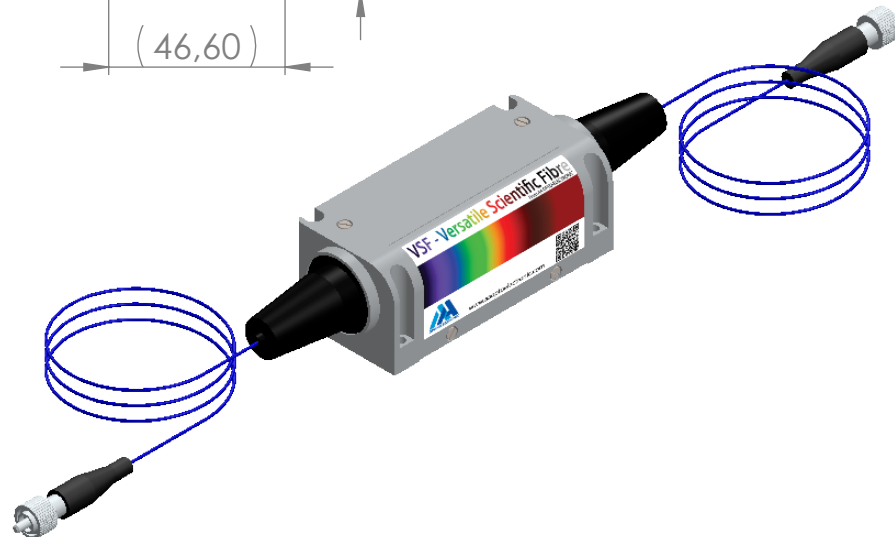
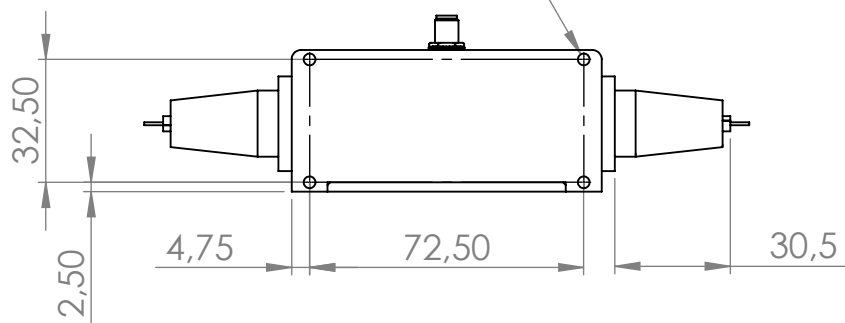
- High speed
- High extinction ratio
- Robust and versatile.


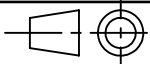


Parameters	MT40-IIR80-Fio-xx	MT80-IIR30-Fio-xx	MT110-IIR20-Fio-xx	MT160-IIR10-Fio-xx	MT200-IIR30-Fio-xx
Material	<i>TeO2 - [L]</i>				
Optical Wavelength	<i>Any in [1290-1650] nm</i>				
IL, Insertion Losses	<i>Nom 2 dB, < 3 dB</i>	<i>Nom 2 dB, < 3 dB</i>	<i>Nom 3.5 dB, < 4 dB</i>	<i>Nom 5 dB, < 8 dB</i>	<i>Nom 5 dB, < 8 dB</i>
Input / Output Polarization	<i>Linear (PM fibres), Random (SM fibres)</i>				
PDL, Polarization Dependence Losses	<i>< 0.5 dB</i>			<i>< 1.2 dB</i>	
Carrier frequency / Frequency shift	<i>+40 or -40 MHz</i>	<i>+80 or -80 MHz</i>	<i>+110 or -110 MHz</i>	<i>+160 or -160 MHz</i>	<i>+200 or -200 MHz</i>
Static Extinction Ratio	<i>> 40 dB, nom 45 dB</i>	<i>> 45 dB, nom 50 dB</i>	<i>> 45 dB, nom 50 dB</i>	<i>> 45 dB, nom 50 dB</i>	<i>> 45 dB, nom 55 dB</i>
Fibre type (SM / PM)	<i>SMF28 or PM1550 or PM1300</i>				
Jacket type	<i>HYTREL 900 µm or 3 mm PVC or 3 mm Stainless Steel</i>				
Fibre connectors	<i>FC/APC or Super FC/PC</i>				
Pigtail length	<i>1 meter (IN/OUT)</i>				
Rise/Fall time	<i>80 ns</i>	<i>30 ns</i>	<i>20 ns</i>	<i>10 ns</i>	<i>30 ns</i>
Analog modulation BW (-3dB)	<i>6 MHz</i>	<i>16 MHz</i>	<i>24 MHz</i>	<i>48 MHz</i>	<i>16 MHz</i>
Max Input laser power (CW)	<i>0.5 W or 5 W</i>	<i>0.5 W or 5 W</i>	<i>0.5 W or 5 W</i>	<i>0.5 W or 1 W</i>	<i>0.5 W or 5 W</i>
Input impedance	<i>Nom 50 Ω</i>				
V.S.W.R.	<i>Nom < 1.2/1</i>				
RF Power / Connector	<i>< 2.5 W / SMA</i>	<i>< 2.5 W / SMA</i>	<i>< 2.5 W / SMA</i>	<i>< 2.2 W / SMA</i>	<i>< 2.2 W / SMA</i>
Size / Weight	<i>(Lxhx) 89 x 46.6 x 32.5 mm³ / 250 g IN PRO 334</i>				



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			
Vérification Checking	YN	PLAN D'INTERFACE			
Tolérance Tolerance	ISO 2768mK	Référence / Reference			
Echelle Scale	1:2	IN-PRO-334		A.A. SA OPTO-ELECTRONIC DIVISION 18, rue Nicolas Appert F-91898 ORSAY tel : 08 11 09 76 76 fax : 01 76 91 50 31	
	Format A4	Matière / Material		Traitement / Treatment	Finition / Finish
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