

MTxx-IRxx-Fio-xx

PRODUCT OVERVIEW

These fiber pigtailed devices are meant to be used for a single wavelength within their range of operation [488-700 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 & versatile.

SPECIFICATIONS (T=25°C)

PARAMETER	RATING	UNIT
Material	TeO ₂ -L - 4200	m/s
Input / Output Polarization	<i>Linear (PM fibres), random (SM fibres)</i>	
Jacket type	<i>900 µm Hytrel Tubing or 3 mm PVC or 3 mm Stainless Steel</i>	
Fiber connectors	<i>FC/APC or Super FC/PC</i>	
Pigtailed Length IN/OUT	1	m
Input impedance	50	Ω
V.S.W.R	1.2/1	
RF Connector	SMA	
Size	89 x 46.6 x 32.5	mm
Weight	250	g
Packaging	IN PRO 334	
RoHS Compliance	Yes	



MTxx-IIRxx-Fio-xx

MODELS

	MT80-G60-Fio-xx	MT200-BG9-Fio-xx	MT200-BG18-Fio-xx	MT200-BG40-Fio-xx	MT200-R9-Fio-xx	MT200-R18-Fio-xx
Optical Wavelength range (λ)*	488-532*	488-561*	488-561*	488-561*	630-700*	630-700*
Frequency Shift (MHz)	+80 or -80	+200 or -200	+200 or -200	+200 or -200	+200 or -200	+200 or -200
Insertion losses (dB)	≤ 4	≤ 4	≤ 3	≤ 3	≤ 4	≤ 3
PDL Polarisation Dependent Losses (dB)	≤ 0.5	≤ 0.5	≤ 0.5	≤ 0.5	≤ 0.5	≤ 0.5
Static Extinction Ratio (dB)	≥ 35	≥ 35	≥ 40	≥ 40	≥ 40	≥ 45
Rise/fall time (ns)	60	9	18	40	9	18
Max optical power (mW)**	≤ 100	≤ 5	≤ 20	≤ 100	≤ 100	≤ 400
Maximum RF power (W)	≤ 0.5	≤ 1.5	≤ 1.5	≤ 1.5	≤ 1.5	≤ 1.5
Variable Frequency Shift	On Request	On Request	On Request	On Request	On Request	On Request

*Single wavelength to be specified within that range.

**Internal termination is designed for high optical power handling and we recommend splicing the output/input fibers for full power optical power handling.

OUTLINE DRAWING, mm

