

MT180-G430-Fio-MM-xx

PRODUCT OVERVIEW

This fiber pigtailed device is meant to be used for a single wavelength within the range of operation [488-532 nm]. It can be used for intensity modulation, fixed or variable frequency shifting. It is equipped with multi-mode fibers and the common applications are Optical shutters, LIDAR, illumination purposes and many others.

FEATURES

- Multi-mode fibers.
- Robust & versatile.



SPECIFICATIONS (T=25°C)

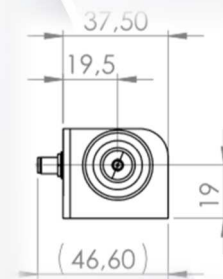
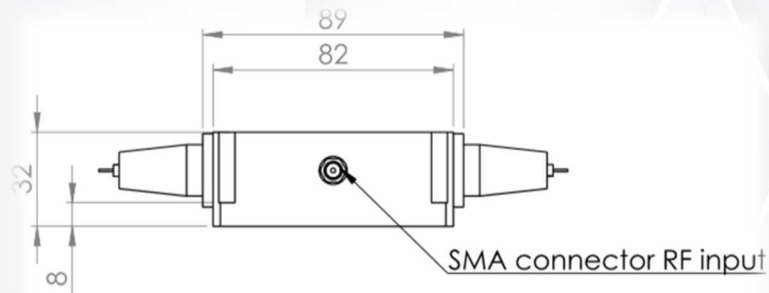
PARAMETER	RATING	UNIT
Material	TeO ₂ -L - 4200	m/s
Optical Wavelength range (λ)*	488-532*	nm
Carrier Frequency / Frequency shift	+ 180 (Upshifted) or -180 (Downshifted)	MHz
Insertion losses (IL)	≤4	dB
Input / Output Polarization	N.A	
Rise/Fall time	430	ns
Analog Amplitude modulation bandwidth -3 dB	1.1	MHz
Polarisation dependence losses (PDL)	≤0.5	dB
Static Extinction Ratio	≥30	dB
Optical power CW	≤0.5	W
Jacket type	900 μm Hytrel Tubing or 3 mm PVC or 3 mm Stainless Steel	
Fiber type	Multimode Fibers; Core 50μm/Cladding 125μm, NA 0.22	
Fiber connectors**	FC/APC or Super FC/PC	
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.

MT180-G430-Fio-MM-xx

OUTLINE DRAWING, mm



4x FIXING HOLES FOR SCREWS M2.5

