

## MQ180-G9-Fio-PM-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 is based on SiO<sub>2</sub> in order to withstand high optical power and provides small rise/fall time. It can be used for intensity modulation as well as for frequency shifting. In order to meet most requirements, user can select fiber jacket and fiber connectors among the proposed ones.

### FEATURES

- Fast Rise/Fall time
- High Optical power handling
- Robust & Versatile



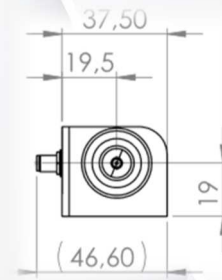
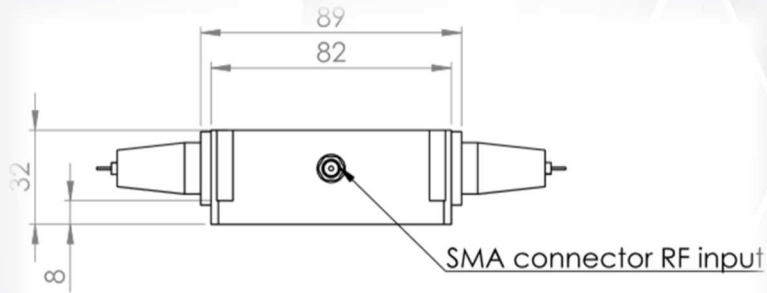
### SPECIFICATIONS (T=25°C)

PARAMETER	RATING	UNIT
Material – Acoustic velocity	SiO <sub>2</sub> - 5960	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	Linear (PM fibres)	
Rise/Fall time	9	ns
Polarisation dependence losses (PDL)	N.A	dB
Static Extinction Ratio	>30	dB
Optical power CW	100 mW @532 nm 20 mW @ 488 nm	mW
Jacket type	900 μm Hytrel Tubing or 3 mm PVC or Stainless Steel	
Fiber type	Polarization Maintaining	
Fiber connectors	FC/APC	
Pigtailed Length IN/OUT	1	m
Input Impedance	50	Ω
V.S.W.R	1.2/1	
RF Power (P)	4	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.

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### OUTLINE DRAWING, mm



4x FIXING HOLES FOR SCREWS M2.5

