

## MT250-IR6-Fio-PM0,5-J1-A-Ic

### PRODUCT OVERVIEW

This compact fiber pigtailed devices is meant for a single-wavelength operation in [1030-1064] nm. It can be used as intensity modulator, fixed frequency shifter and also as pulse picker. Its compactness, reliability and high performance will make this modulator a good candidate for most industrial applications.

### FEATURES

- High Speed
- Low Insertion losses
- High Reliability
- Compact design.



### SPECIFICATIONS (T=25°C)

PARAMETER	RATING	UNIT
Material	TeO <sub>2</sub> -L - 4200	m/s
Optical Wavelength range (λ)	1030-1064	nm
Carrier Frequency / Frequency shift	+ 250 (Upshifted)	MHz
Insertion losses (IL)	≤6	dB
Input / Output Polarization	Linear/Linear	
Rise/Fall time	6	ns
Analog Amplitude modulation bandwidth -3 dB	80	MHz
Polarisation Extinction Ratio (PER)	≥18	dB
Polarisation dependence losses (PDL)	≤0.8	dB
Static Extinction Ratio	≥45	dB
Optical power CW	≤0.5	W
Jacket type	900 μm Hytel Tubing	
Fiber type	PM 980	
Fiber connectors**	FC/APC	
Pigtailed Length IN/OUT	1	m
Input impedance	50	Ω
V.S.W.R	1.2/1	
RF Power (P)	≤1.8	W
RF Connector	SMC	
Size	60 x 40 x 16	mm
Weight	60	g
Packaging	IN PRO 333	
RoHS Compliance	Yes	

\*\*While internal termination is designed for high optical power, we recommend removing the connectors and splicing the fiber for full power optical power handling.

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## OUTLINE DRAWING, mm

