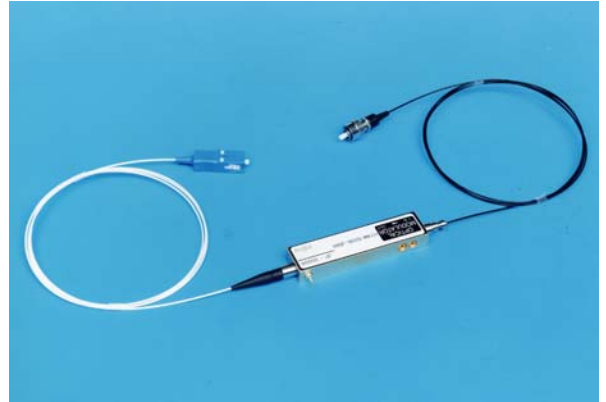


# Dual Drive 10Gb/s LiNbO<sub>3</sub> External Modulator

## Description

- Dual Drive 10Gb/s Mach-Zehnder modulator, using Ti diffused LiNbO<sub>3</sub> waveguide technology
- Low drive voltage by dual drive
- Adjustable chirp
- Built-in a monitor PD for auto bias control
- Stable operation in long term for low DC drift
- Applications:
  - OC-48/192(STM-16/64) MSA module/optical transmission equipment
  - DWDM optical transmission equipment
  - Measurement equipment for high speed telecommunications



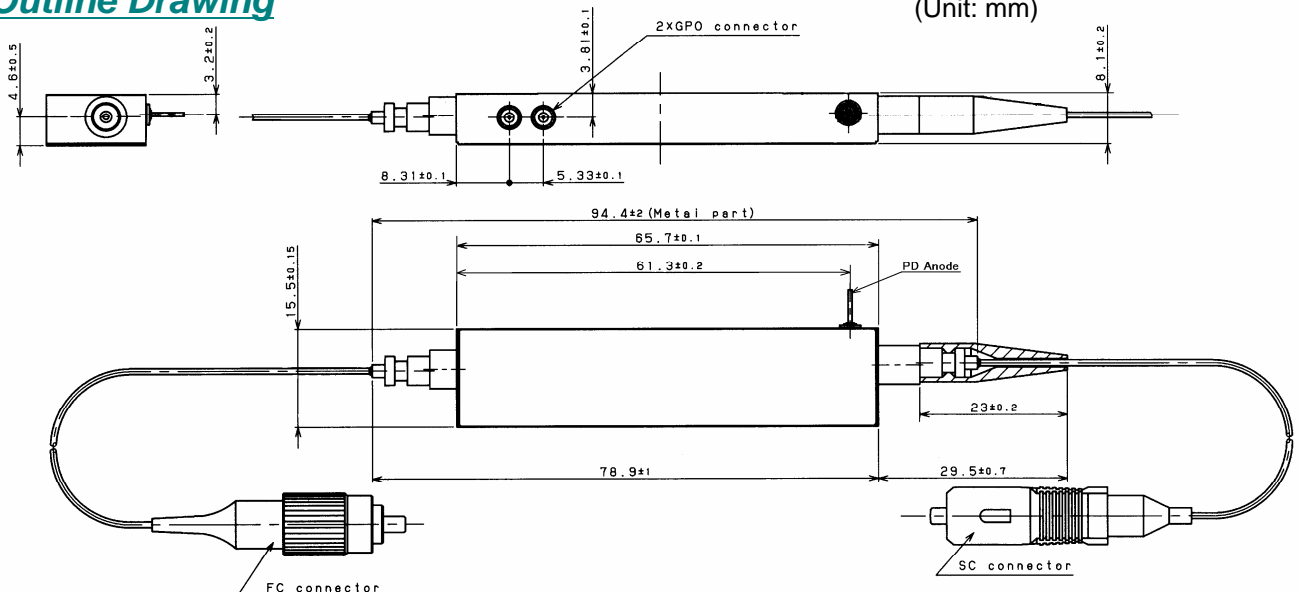
## Specifications

Part Number		FTM7922ER
Optical Bandwidth (3dB down)		≥8.5GHz
Operating Wavelength		1530 to 1610nm
Drive Voltage ( $V\pi$ ) *1,*2		≤2.6V
Extinction Ratio *1		≥18dB
Insertion Loss	C band	≤6.0dB
	L band	≤7.0dB
Electrode Impedance		Typ. 50 ohm
Monitor PD Responsivity		≥0.0023 A/W
Operating Case Temperature		-5 to 75°C
Package Size (L x W x H)		65.7 x 15.5 x 8.1 mm / 2.6 x 0.61 x 0.32 inches

\*1: at low frequency

\*2: at complimentary drive

## Outline Drawing



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