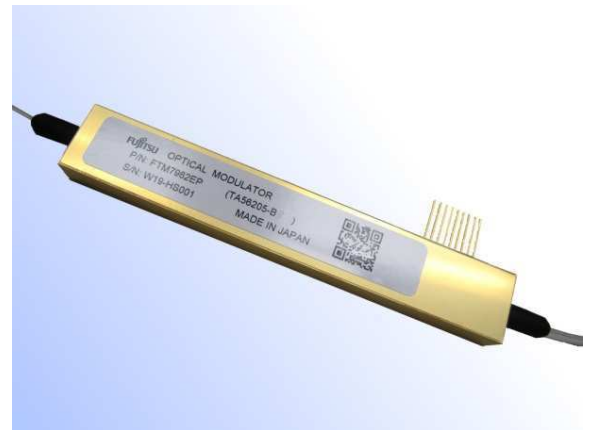


Single Drive DQPSK 40Gbps LN Modulator

General Description

- 40Gbps (22Gbaud) Mach-Zehnder modulator for “DQPSK” transmission format
- Wide EO Bandwidth equivalent to conventional 40G Modulator for each MZI's
- Low drive voltage: < 7V (2V π)
- Separated DC bias ports
- Built-in a monitor PD for auto bias control
- Polarization maintaining fibers at both input and output
- RoHS compliant
- Applications:
 - DWDM 40Gbps optical transmission equipment (DQPSK)
 - Measurement equipment for high speed telecommunications

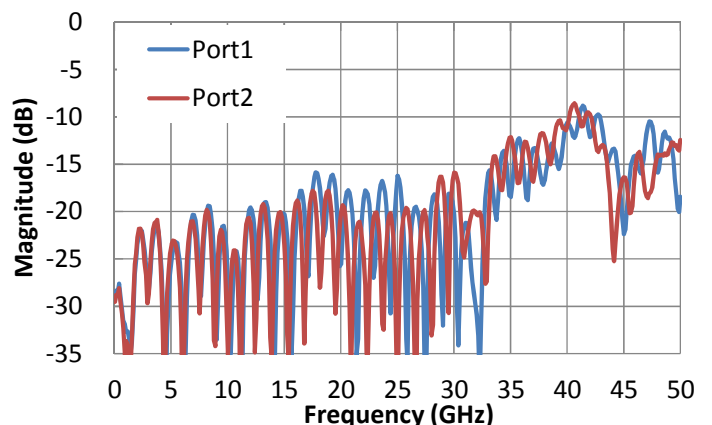
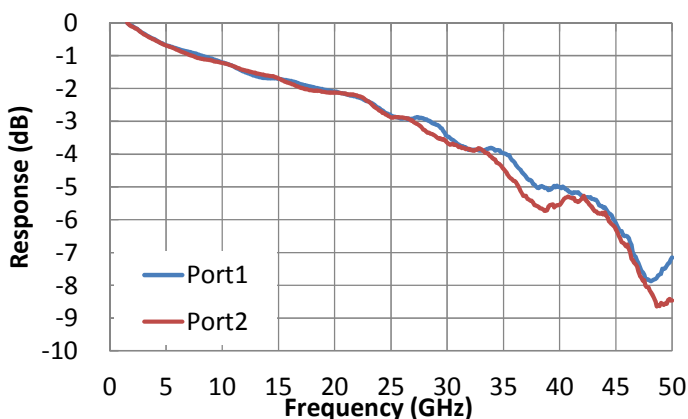


Specifications

Part Number	FTM7962EP	
Optical Bandwidth (-3dB)	≥ 22 GHz	
Operating Wavelength	1530 to 1610 nm	
Driving Voltage (2V π) @22Gbps	≤ 7.0V	
Extinction Ratio at Low Frequency	Parent MZI (*1)	≥ 22 dB
	Child MZI	≥ 20 dB
Insertion Loss @C-band	≤ 7.0 dB	
α Parameter (Typ.)	0	
RF Impedance (Typ.)	50 ohm	
Monitor PD Responsivity	>0.001A/W	
Operating Case Temperature	-5 to 75 °C	
Package Size (L x W x H)	83 x 13.5 x 7.0mm / 3.27 x 0.53 x 0.28 inches	

*1: Mach-Zehnder Interferometer

RF performance



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Specifications are subject to change without prior notice.