

Single Drive 12Gbps LiNbO₃ External Modulator

Description

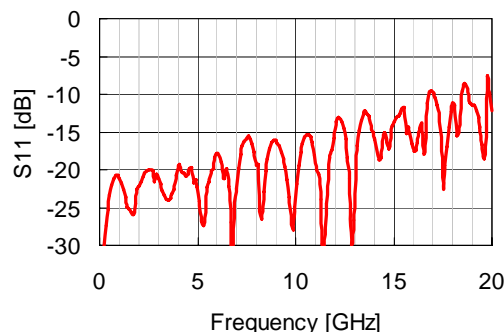
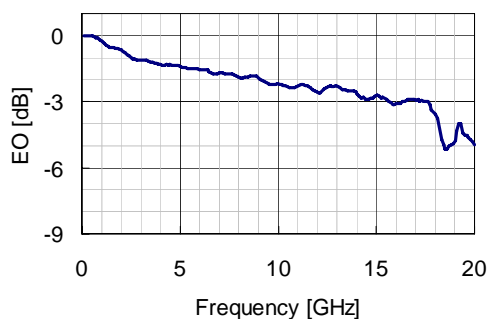
- Two products for single drive, chirp=0 and ± 0.7 (Z-cut)
- Low driving voltage: $\leq 5V$ for RF
- Small size; 65mm x 11.4mm x 4.9mm
(The common package for both chirp 0 and ± 0.7)
- Integrating electrical function (Monitor PD, Bias Tee)
- Built-in a monitor PD for auto bias control
- Stable operation in long term for low DC drift
- RoHS compliant
- Applications:
 - Optical transponder module
 - DWDM optical transmission equipment (2.5Gbps, 10Gbps)
 - Measurement equipment for high speed telecommunications



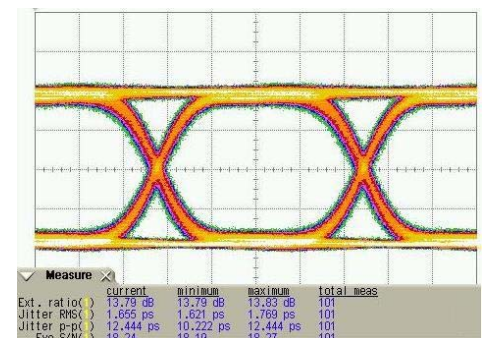
Specifications

Part Number		FTM7926FB	FTM7924FB
Optical Bandwidth (-3dB)		≥ 10 GHz	
Operating Wavelength		1530 to 1610 nm	
Driving Voltage (V_{π}) at 12.5G		≤ 5.0 V	
Extinction Ratio at Low Frequency		≥ 20 dB	
Insertion Loss	C band	≤ 5.0 dB	
	L band	≤ 5.5 dB	
α Parameter (Typ.)		0	± 0.7
Monitor PD Responsivity		≥ 0.001 A/W	
Operating Case Temperature		-5 to 75 °C	
Package Size (L x W x H)		65 x 11.4 x 4.9 mm / 2.56 x 0.45 x 0.19 inches	

RF performance (for 0-Chirp)



Waveform (for 0-chirp)



Fujitsu Limited

Optical Components Unit Sales Department

1-1 Kamikodanaka 4-chome, Nakahara-ku, Kawasaki, 211-8588, Japan (Company Mail No. H0913)

Tel: +81-44-754-3757, Fax: +81-44-754-3598

E-mail: optmdl-sales2@ml.css.fujitsu.com

<http://www.fujitsu.com/global/services/telecom/optcompo>