

XFP Transceiver

Description

- XFP MSA compliant
- Multi-rate capability: SONET OC-192, SDH STM-64 and FEC 9.9Gbps/10.3Gbps/10.7Gbps/11.1Gbps/11.3Gbps
- Full C-band tunable type available
- Extended temperature type (-40 to 85°C) available
- 2-wire digital diagnostic monitoring function
- RoHS compliant
- Loop back function
- RefCLK-less operation



Specifications

Part Number	FIM31072/121	FIM31072/124	FIM31072/122	FIM31072/123	FIM31062Wxx	FIM31062/120Wxx(*1)	FIM31062/130Wxx(*1)
Application	DWDM, OC-192/LR-2, 10GBASE-ZR			DWDM, OC-192/IR-2, 10GBASE-ER	DWDM, OC-192/LR-2, 10GBASE-ZR		
Date Rate	9.95 to 11.3 Gbps				9.95 to 11.3 Gbps		
Wavelength	1528.77 to 1563.45 nm (Full C-band Tunable 50GHz spacing)				1528.77 to 1561.42 nm (100GHz spacing)		
Distance	80 km		40 km	80 km			
Optical Output Power	-1 to 3 dBm				-1 to 3 dBm		
Extinction Ratio	9 dB				9 dB		
Receiver Sensitivity (*2)	-24 to -7 dBm		-16 to -1 dBm		-24 to -7 dBm		
Stressed Receiver Sensitivity in OMA	-				-		
Chromatic Dispersion	-100 to +1600 ps/nm	-100 to +1450 ps/nm	-800 to +800 ps/nm	-800 to +800 ps/nm	1600 ps/nm		
Power Supply	+1.8 V, +3.3 V, +5.0 V				+1.8 V, +3.3 V, +5.0 V		
Max Power Consumption	3.5 W				3.5 W	4.5 W	
Dimensions (L x W x H)	78 x 18.4 x 8.5 mm / 3.1 x 0.72 x 0.33 inches						
Tc	-5 to 70 °C				-5 to 70 °C		-5 to 85 °C

Part Number	FIM31052/110	FIM31052/120	FIM31112/110	FIM31112/120	FIM31122/110	FIM31122
Application	OC-192/LR-2, 10GBASE-ZR		OC-192/IR-2, 10GBASE-ER		OC-192/SR-1, 10GBASE-LR	
Date Rate	9.95 to 11.3 Gbps		9.95 to 11.3 Gbps		9.95 to 11.3 Gbps	
Wavelength	1530 to 1565 nm		1530 to 1565 nm		1260 to 1355 nm	
Distance	80 km		40 km		2 km (SR-1) / 10 km (LR)	
Optical Output Power	0 to 4 dBm		-1 to 2 dBm		-6 to -1 dBm	
Extinction Ratio	9 dB		8.2 dB		6 dB	
Receiver Sensitivity (*2)	-24 to -7 dBm		-15 to -1 dBm		-11 to 0.5 dBm	
Stressed Receiver Sensitivity in OMA	-		-11.3 dBm		-10.3 dBm	
Chromatic Dispersion	1600 ps/nm		800 ps/nm		6.6 ps/nm (SR-1) / 64.2 ps/nm (LR)	
Power Supply	+1.8 V, +3.3 V, +5.0 V		+1.8 V, +3.3 V, +5.0 V		+3.3 V	
Max Power Consumption	4.5 W	3.5 W	3.5 W	3.1 W	2.0 W	
Dimensions (L x W x H)	78 x 18.4 x 8.5 mm / 3.1 x 0.72 x 0.33 inches					
Tc	-40 to 85 °C	-5 to 70 °C	-40 to 85 °C	-5 to 75 °C	-40 to 85 °C	-5 to 85 °C

*1: Including OSNR spec. *2: FEC rate is to be discussed.

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Specifications are subject to change without prior notice.