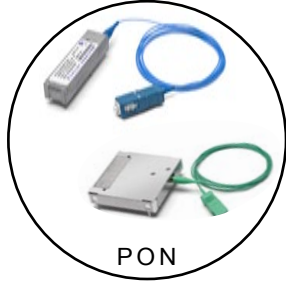
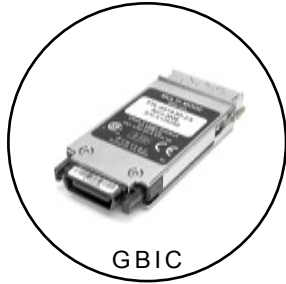
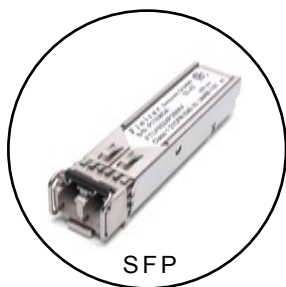


Finisar[®] Product Guide

Transmitters,
Transceivers
and Transponders
for Datacom and
Telecom Applications

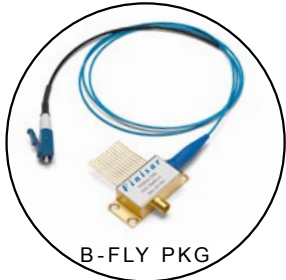
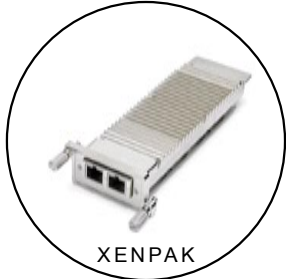
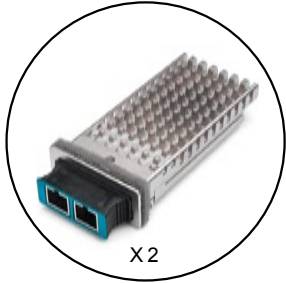
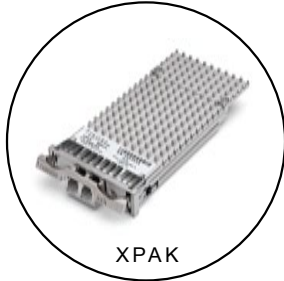


Finisar's broad product selection and innovative technology have made us the optical module manufacturer of choice for all major networking equipment vendors worldwide. We have taken a leading role in transforming the datacommunications and telecommunications equipment market from utilizing discrete optical components to leveraging the design and pay-as-you-grow flexibility offered by pluggable modules. Our products are fully compliant with Gigabit Ethernet, Fibre Channel, SONET/SDH and PON standards and operate at data rates up to 40 Gb/s and for distances greater than 200 km. They feature outstanding performance over extended voltage and temperature ranges, while minimizing jitter, electromagnetic interference (EMI) and power dissipation.



FINISAR MODULES ARE AVAILABLE IN A WIDE VARIETY OF FORM FACTORS:

- **SFP** (copper and optical; longwave, shortwave and WDM)
 - **DATACOM** applications using Fast Ethernet, Gigabit Ethernet, 1x/2x/4x Fibre Channel
 - **TELECOM** applications using OC-3/STM-1, OC-12/STM-4 and OC-48/STM-16 across all reaches**FEATURES**
 - 3.3 V operating voltage
 - Distances from very short links up to 100+ km
 - Wide operating temperature range
 - Metal enclosure for lower EMI
 - Digital diagnostics
- **SFP+** (optical; longwave and shortwave)
 - **DATACOM** applications using 10 Gigabit Ethernet and 2x/4x/8x Fibre Channel**FEATURES**
 - 3.3 V operating voltage
 - Supports bit rates up to 10.3 Gb/s
 - Distances from short links up to 10 km
 - Digital diagnostics
- **SFF** (optical 2x5, 2x7 and 2x10; longwave and shortwave)
 - **DATACOM** applications using Gigabit Ethernet, 1x/2x/4x Fibre Channel
 - **TELECOM** applications using OC-3/STM-1, OC-12/STM-4 and OC-48/STM-16 across all reaches**FEATURES**
 - 3.3 V operating voltage
 - Distances from very short links up to 80 km
 - Wide operating temperature range
 - Metal enclosure for lower EMI
 - 2x7 and 2x10 incorporate digital diagnostics
- **GBIC** (copper and optical; longwave, shortwave and WDM)
 - **DATACOM** applications using Gigabit Ethernet and 1x/2x Fibre Channel
 - **TELECOM** applications using OC-3/STM-1, OC-12/STM-4 and OC-48/STM-16 across all reaches**FEATURES**
 - 3.3 V and 5 V operating voltage
 - Distances from very short links up to 160 km
 - Digital diagnostics functions available
- **PON** (optical; longwave)
 - **TELECOM** access applications for GPON and GE-PON**FEATURES**
 - 3.3 V operating voltage
 - Distances up to 20 km, Class B+, PX-20+
 - Wide temperature range
 - Digital diagnostics



• **XFP** (optical; longwave, shortwave and DWDM)

- **DATACOM** applications using 10 Gigabit Ethernet and 10x Fibre Channel
- **TELECOM** applications using OC-192/STM-64

FEATURES

- Supports bit rates up to 11.3 Gb/s
- Distances up to 80 km
- Digital diagnostics

• **XPAK** (optical; longwave and shortwave)

- **DATACOM** applications using 10 Gigabit Ethernet and 10x Fibre Channel

FEATURES

- 1.2 V, 3.3 V and 5 V operating voltage
- Supports bit rates up to 10.5 Gb/s
- Distances from short links up to 10 km
- Digital diagnostics

• **X2** (optical; longwave and shortwave)

- **DATACOM** applications using 10 Gigabit Ethernet and 10x Fibre Channel

FEATURES

- 1.2 V, 3.3 V and 5 V operating voltage
- Supports bit rates up to 10.5 Gb/s
- Distances up to 80 km
- Digital diagnostics

• **XENPAK** (optical; longwave and shortwave)

- **DATACOM** applications using 10 Gigabit Ethernet

FEATURES

- 1.2 V, 3.3 V and 5V operating voltage
- Supports bit rates up to 10.3 Gb/s
- Distances up to 10km
- Digital diagnostics

• **BUTTERFLY PACKAGE • CML™** (optical; longwave)

- **TELECOM** 10 Gb/s applications

FEATURES

- Support bit rates up to 11.3 Gb/s
- Support applications with and without FEC
- Ultra long reach without DCM: 200 km without EDC, >300 km with EDC
- DWDM single channel, 4x100 GHz or 8x50 GHz limited tunable, for C/L Band

• **300-PIN** (optical; longwave)

- **TELECOM** 10 Gb/s and 40 Gb/s applications

FEATURES

- Supports bit rates up to 40 Gb/s
- Available in NRZ-OOK, ODB, and DPSK formats
- Compliant to industry standards (ITU-T; SFI-4/5; 300-PIN MSA)
- Broadly tunable C-Band or L-Band models available for 10G and 40G products

FINISAR'S PATENTED DIGITAL DIAGNOSTICS

Finisar's XFP, XPAK, X2, XENPAK, 300-PIN, SFP, SFP+, 2x7 and 2x10 SFF and selected GBIC transceivers feature a microprocessor and diagnostics interface that provides performance information on the data link. Users can remotely monitor—in real-time—received optical power, transmitted optical power, laser bias current, transceiver input voltage and transceiver temperature of any transceiver in the network. These digital diagnostic functions provide network managers with a highly accurate, cost-effective tool for implementing reliable performance monitoring.



SFP



SFP+



SFF



GBIC



PON



SFP

Part Number	RoHS (Lead Free)	RoHS Select	Media Type	Operating Wavelength (nm)	Transmitter	Receiver
FCLF-8520/21-3	✓		Copper	N/A	N/A	N/A
FTLF8519P2xCL	✓		Multimode	850	Oxide VCSEL	PIN
FTLF8519P2xNL	✓		Multimode	850	Oxide VCSEL	PIN
FTLF8519P2xTL	✓		Multimode	850	Oxide VCSEL	PIN
FTLF8524P2xNL	✓		Multimode	850	Oxide VCSEL	PIN
FTLF8524P2xNV	✓	✓	Multimode	850	Oxide VCSEL	PIN
FTLF1217P2xTL	✓		Multimode	1310	LED	PIN
FTLF1318P2xCL	✓		Single Mode	1310	Fabry-Perot Laser	PIN
FTLF1318P2xTL	✓		Single Mode	1310	Fabry-Perot Laser	PIN
FTLF1319P1xTL	✓		Single Mode	1310	Fabry-Perot Laser	PIN
FTLF1419P1xCL	✓		Single Mode	1310	DFB Laser	PIN
FTLF1519P1xCL	✓		Single Mode	1550	DFB Laser	PIN
FTLF1519P1xNL	✓		Single Mode	1550	DFB Laser	PIN
FTLF1619P1xCL	✓		Single Mode	1550	DFB Laser	APD
FTLF1324P2xTL	✓		Single Mode	1310	Fabry-Perot Laser	PIN
FTLF1324P2xTV	✓	✓	Single Mode	1310	Fabry-Perot Laser	PIN
FTLF1424P2xCR	✓		Single Mode	1310	DFB Laser	PIN
FTLF1424P2xCD	✓	✓	Single Mode	1310	DFB Laser	PIN
FTLF1424P2xTR	✓		Single Mode	1310	DFB Laser	PIN
FTLF1424P2xTD	✓	✓	Single Mode	1310	DFB Laser	PIN
FTLF1424P2xCL	✓		Single Mode	1310	DFB Laser	PIN
FTLF1424P2xCV	✓	✓	Single Mode	1310	DFB Laser	PIN
FTLF1323P1xTR	✓		Single Mode	1310	Fabry-Perot Laser	PIN
FTLF1323P1xTL	✓		Single Mode	1310	Fabry-Perot Laser	PIN
FTLF1523P1xTL	✓		Single Mode	1550	DFB Laser	PIN
FTLF1322P1xTR	✓		Single Mode	1310	Fabry-Perot Laser	PIN
FTLF1422P1xTL	✓		Single Mode	1310	DFB Laser	PIN
FTLF1522P1xTL	✓		Single Mode	1550	DFB Laser	PIN
FTLF1321P1xTL	✓		Single Mode	1310	Fabry-Perot Laser	PIN
FTLF1421P1xCL	✓		Single Mode	1310	DFB Laser	PIN
FTLF1421P1xTL	✓		Single Mode	1310	DFB Laser	PIN
FTLF1521P1xCL	✓		Single Mode	1550	DFB Laser	PIN
FTLF1721P2xCL	✓		Single Mode	1310	DFB Laser	APD
FTLF1721P2xTL	✓		Single Mode	1310	DFB Laser	APD
FTLF1621P2xCL	✓		Single Mode	1550	DFB Laser	APD
FWLF15197Dxx ^(**)	✓		Single Mode	1470, 1490, 1510, 1530, 1550, 1570, 1590, 1610	CWDM DFB Laser	PIN
FWDM-1619-7D-xx ^(**)			Single Mode	1470, 1490, 1510, 1530, 1550, 1570, 1590, 1610	CWDM DFB Laser	APD
FWLF15217Dxx ^(**)	✓		Single Mode	1470, 1490, 1510, 1530, 1550, 1570, 1590, 1610	CWDM DFB Laser	PIN
FWLF1521P2Nxx	✓		Single Mode	1470, 1490, 1510, 1530, 1550, 1570, 1590, 1610	CWDM DFB Laser	PIN
FWDM-1621-7D-xx ^(**)			Single Mode	1470, 1490, 1510, 1530, 1550, 1570, 1590, 1610	CWDM DFB Laser	APD
FWDM1621P2Txx	✓		Single Mode	1470, 1490, 1510, 1530, 1550, 1570, 1590, 1610	CWDM DFB Laser	APD
FWLF1524P2Vxx	✓	✓	Single Mode	1470, 1490, 1510, 1530, 1550, 1570, 1590, 1610	CWDM DFB Laser	PIN
FWLF1631xx ^(**)	✓		Single Mode	DWDM C-Band	DWDM DFB Laser	APD
FWLF1631Rxx ^(**)	✓		Single Mode	DWDM C-Band	DWDM DFB Laser	APD
FWLF1634RLxx	✓		Single Mode	DWDM C-Band	DWDM DFB Laser	APD
FTLF8528P2BCV	✓	✓	Multimode	850	Oxide VCSEL	PIN
FTLF8528P2BNV	✓	✓	Multimode	850	Oxide VCSEL	PIN
FTLF1428P2BNV	✓	✓	Single Mode	1310	DFB Laser	PIN
FTLF8571D3BCL	✓		Multimode	850	Oxide VCSEL	PIN
FTLF1371D3BCL	✓		Multimode	1310	Fabry-Perot Laser	PIN
FTLF1471D3BCL	✓		Single Mode	1310	DFB Laser	PIN
FTLF8519F2xCL	✓		Multimode	850	Oxide VCSEL	PIN
FTLF8519F2xNL	✓		Multimode	850	Oxide VCSEL	PIN
FTLF8519F2xTL	✓		Multimode	850	Oxide VCSEL	PIN
FTLF8524E2xNL	✓		Multimode	850	Oxide VCSEL	PIN
FTLF8524E2xNV	✓	✓	Multimode	850	Oxide VCSEL	PIN
FTLF1319F1xTL	✓		Single Mode	1310	Fabry-Perot Laser	PIN
FTLF1321S1xTL	✓		Single Mode	1310	Fabry-Perot Laser	PIN
FTLF1421S1xCL	✓		Single Mode	1310	DFB Laser	PIN

SFP+

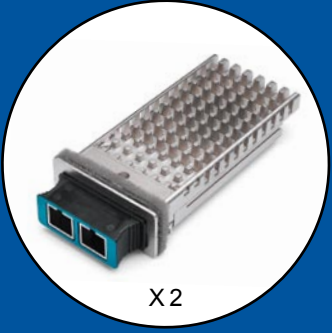
SFF

Data Rate (Maximum)	Voltage Supply (V)	Transmission Standard Supported													Case Temperature Range (°C)	Connector	Module Type	Diagnostic Monitoring Interface	Reach		
		Optical							Copper												
		Optical Fast Ethernet	Optical Gigabit Ethernet	1x Fibre Channel	2x Fibre Channel	4x Fibre Channel	8x Fibre Channel	SONET OC-3	SONET OC-12	SONET OC-48	SONET OC-192	SONET OC-768	10x Fibre Channel	10 Gigabit Ethernet						100BASE-T	PoE
1.25 Gb/s	3.3														●	0 to 85	RJ-45	Pluggable	N/A	100 m	
2.125 Gb/s	3.3		●	●	●												0 to 70	LC	Pluggable	N/A	550 m
2.125 Gb/s	3.3		●	●	●												-20 to 85	LC	Pluggable	Digital	550 m
2.125 Gb/s	3.3		●	●	●												-40 to 85	LC	Pluggable	Digital	550 m
4.25 Gb/s	3.3		■	●	●	●											-20 to 85	LC	Pluggable	Digital	550 m
4.25 Gb/s	3.3		●	●	●	●											-20 to 85	LC	Pluggable	Digital	550 m
200 Mb/s	3.3	●														■	-40 to 85	LC	Pluggable	Digital	2 km
1.25 Gb/s	3.3		●	●													0 to 70	LC	Pluggable	N/A	10 km
1.25 Gb/s	3.3		●	●													-40 to 85	LC	Pluggable	Digital	10 km
2.125 Gb/s	3.3		●	●	●												-40 to 85	LC	Pluggable	Digital	10 km
2.125 Gb/s	3.3		●	●	●												-10 to 70	LC	Pluggable	Digital	55 km
2.125 Gb/s	3.3		●	●	●												-10 to 70	LC	Pluggable	Digital	90 km
2.125 Gb/s	3.3		●	●	●												-5 to 85	LC	Pluggable	Digital	90 km
2.125 Gb/s	3.3		●	●	●												-10 to 70	LC	Pluggable	Digital	115 km
4.25 Gb/s	3.3		■	●	●	●											-40 to 85	LC	Pluggable	Digital	4 km
4.25 Gb/s	3.3		●	●	●	●											-40 to 85	LC	Pluggable	Digital	4 km
4.25 Gb/s	3.3		■	●	●	●											-10 to 70	LC	Pluggable	Digital	10 km
4.25 Gb/s	3.3		●	●	●	●											-10 to 70	LC	Pluggable	Digital	10 km
4.25 Gb/s	3.3		■	●	●	●											-40 to 85	LC	Pluggable	Digital	10 km
4.25 Gb/s	3.3		●	●	●	●											-40 to 85	LC	Pluggable	Digital	10 km
4.25 Gb/s	3.3		■	●	●	●											-10 to 70	LC	Pluggable	Digital	30 km
4.25 Gb/s	3.3		●	●	●	●											-10 to 70	LC	Pluggable	Digital	30 km
155 Mb/s	3.3	■														●	-40 to 85	LC	Pluggable	Digital	15 km
155 Mb/s	3.3	■														●	-40 to 85	LC	Pluggable	Digital	40 km
155 Mb/s	3.3	■														●	-40 to 85	LC	Pluggable	Digital	80 km
622 Mb/s	3.3															●	-40 to 85	LC	Pluggable	Digital	15 km
622 Mb/s	3.3															●	-40 to 85	LC	Pluggable	Digital	40 km
622 Mb/s	3.3															●	-40 to 85	LC	Pluggable	Digital	80 km
2.67 Gb/s	3.3		●	●	●											■	-40 to 85	LC	Pluggable	Digital	2 km
2.67 Gb/s	3.3		●	●	●											■	-10 to 70	LC	Pluggable	Digital	15 km
2.67 Gb/s	3.3		●	●	●											■	-40 to 85	LC	Pluggable	Digital	15 km
2.67 Gb/s	3.3		●	●	●											■	0 to 70	LC	Pluggable	Digital	15 km
2.67 Gb/s	3.3		●	●	●											■	-10 to 70	LC	Pluggable	Digital	40 km
2.67 Gb/s	3.3		●	●	●											■	-40 to 85	LC	Pluggable	Digital	40 km
2.67 Gb/s	3.3		●	●	●											■	-10 to 70	LC	Pluggable	Digital	80 km
1.25 Gb/s	3.3	■	●	●												■	0 to 70	LC	Pluggable	Digital	80 km
1.25 Gb/s	3.3	■	●	●												■	0 to 70	LC	Pluggable	Digital	100 km
2.67 Gb/s	3.3	■	●	●	●											■	0 to 70	LC	Pluggable	Digital	50 km
2.67 Gb/s	3.3	■	●	●	●											■	-10 to 85	LC	Pluggable	Digital	50 km
2.67 Gb/s	3.3	■	●	●	●											■	0 to 70	LC	Pluggable	Digital	80 km
2.67 Gb/s	3.3	■	●	●	●											■	-40 to 85	LC	Pluggable	Digital	80 km
4.25 Gb/s	3.3		●	●	●	●											-5 to 75	LC	Pluggable	Digital	40 km
2.67 Gb/s	3.3	■	●	●	●											■	0 to 70	LC	Pluggable	Digital	120 km
2.67 Gb/s	3.3	■	●	●	●											■	0 to 70	LC	Pluggable	Digital	160 km
4.25 Gb/s	3.3		■	●	●	●										■	-5 to 70	LC	Pluggable	Digital	80 km
8.5 Gb/s	3.3			■	●	●	●										-5 to 70	LC	Pluggable	Digital	150 m(*)
8.5 Gb/s	3.3			■	●	●	●										-5 to 85	LC	Pluggable	Digital	150 m(*)
8.5 Gb/s	3.3			■	●	●	●										-5 to 85	LC	Pluggable	Digital	10km
10.3 Gb/s	3.3															●	0 to 70	LC	Pluggable	Digital	300 m(*)
10.3 Gb/s	3.3															●	0 to 70	LC	Pluggable	Digital	220 m(**)
10.3 Gb/s	3.3															●	0 to 70	LC	Pluggable	Digital	10 km
2.125 Gb/s	3.3		●	●	●												0 to 70	LC	2x5	N/A	550 m
2.125 Gb/s	3.3		●	●	●												-10 to 85	LC	2x5	N/A	550 m
2.125 Gb/s	3.3		●	●	●												-40 to 85	LC	2x5	N/A	550 m
4.25 Gb/s	3.3		■	●	●	●											-10 to 85	LC	2x7	Digital	550 m
4.25 Gb/s	3.3		■	●	●	●											-10 to 85	LC	2x7	Digital	550 m
2.125 Gb/s	3.3		●	●	●												-40 to 85	LC	2x5	N/A	10 km
2.67 Gb/s	3.3		●	●	●											■	-40 to 85	LC	2x10	Analog & Digital	2 km
2.67 Gb/s	3.3		●	●	●											■	-10 to 70	LC	2x10	Analog & Digital	15 km

XFP



XPAK



X2



XENPAK



B-FLY PKG



300-PIN

Finisar

PON	FTLF1721S1xCL	✓	Single Mode	1310	DFB Laser	APD	
	FTLF1621S1xCL	✓	Single Mode	1550	DFB Laser	APD	
	FTLF1323F2xTR	✓	Single Mode	1310	Fabry-Perot Laser	PIN	
	FTLF1322F2xTR	✓	Single Mode	1310	Fabry-Perot Laser	PIN	
	FCL-8520/21-3	✓	Copper	N/A	N/A	N/A	
GBIC	FTL-8519-3D	✓	Multimode	850	Oxide VCSEL	PIN	
	FTL-8519-3D-2.5	✓	Multimode	850	Oxide VCSEL	PIN	
	FTL-1319-3D	✓	Single Mode	1310	Fabry-Perot Laser	PIN	
	FTL-1319-3D-2.5	✓	Single Mode	1310	Fabry-Perot Laser	PIN	
	FTL-1419-3D	✓	Single Mode	1310	DFB Laser	PIN	
	FTL-1519-3D	✓	Single Mode	1550	DFB Laser	PIN	
	FTL-1619-xx	✓	Single Mode	1470, 1490, 1510, 1530, 1550, 1570, 1590, 1610	CWDM DFB Laser	APD	
	FTL-1621-xx	✓	Single Mode	1470, 1490, 1510, 1530, 1550, 1570, 1590, 1610	CWDM DFB Laser	APD	
	FTR-1629-xx		Single Mode	DWDM C-Band Single Channel	DWDM DFB Laser	APD	
	FTR-1631-xx		Single Mode	DWDM C-Band Single Channel	DWDM DFB Laser	APD	
	FTR-1621T-xx		Single Mode	1470, 1490, 1510, 1530, 1550, 1570, 1590, 1610	CWDM DFB Laser	APD	
	PON	FTGN3025Q1TAS (ONU 1x20)	✓	Single Mode	1490,1310,1555	DFB Laser	APD/PIN
		FTGL2025S1TUS (OLT SSF)	✓	Single Mode	1490,1310	DFB Laser	APD
XFP	FTLX8511D3	✓	Multimode	850	Oxide VCSEL	PIN	
	FTLX1412M3BCL	✓	Single Mode	1310	DFB Laser	PIN	
	FTLX1412M3BTL	✓	Single Mode	1310	DFB Laser	PIN	
	FTLX1412D3BCL	✓	Single Mode	1310	DFB Laser	PIN	
	FTLX1612M3BCL	✓	Single Mode	1550	EML	PIN	
	FTLX1612M3BTL	✓	Single Mode	1550	EML	PIN	
	FTLX3611M3xx	✓	Single Mode	DWDM C-Band Single Channel	DWDM EML	PIN	
	FTLX1811M3	✓	Single Mode	1550	EML	APD	
	FTLX3811M3xx	✓	Single Mode	DWDM C-Band Single Channel	DWDM EML	APD	
FTLX3812M3xx	✓	Single Mode	DWDM C-Band Single Channel	DWDM EML	APD		
XPAK	FTLX8551E3	✓	Multimode	850	Oxide VCSEL	PIN	
	FTLX8551F3	✓	Multimode	850	Oxide VCSEL	PIN	
	FTLX1451E2	✓	Single Mode	1310	DFB Laser	PIN	
	FTLX1451F2	✓	Single Mode	1310	DFB Laser	PIN	
X2	FTLX8541E2	✓	Multimode	850	Oxide VCSEL	PIN	
	FTLX8541F2	✓	Multimode	850	Oxide VCSEL	PIN	
	FTLX1341E2	✓	Multimode	1310	Fabry-Perot Laser	PIN	
	FTLX1441E2	✓	Single Mode	1310	DFB Laser	PIN	
	FTLX1441F2	✓	Single Mode	1310	DFB Laser	PIN	
	FTLX1841E2	✓	Single Mode	1550	EML	APD	
	FTLX1841F2	✓	Single Mode	1550	EML	APD	
XENPAK	FTLX8561E2	✓	Multimode	850	Oxide VCSEL	PIN	
	FTLX1461E2	✓	Single Mode	1310	DFB Laser	PIN	
BUTTERFLY	DM80-01-0	✓		TDM, 1550	CML™	N/A	
	DM80-01-1/2	✓		DWDM C/L Band on 100 or 50 GHz ITU Grid	CML™	N/A	
	DM80-01-3/4	✓		DWDM C/L Band 8x50 or 4x100 GHz Tunable	CML™	N/A	
	DM200-01-0	✓		TDM, 1550	CML™	N/A	
	DM200-01-1/2	✓		DWDM C/L Band on 100 or 50 GHz ITU Grid	CML™	N/A	
	DM200-01-3/4	✓		DWDM C/L Band 8x50 or 4x100 GHz Tunable	CML™	N/A	
300-PIN	52TRAAV2GPL	✓	Single Mode	1550 NRZ	EML	PIN	
	51TRAAV2GPL	✓	Single Mode	1550 NRZ	EML	PIN	
	50DPAAU4GPLCB	✓	Single Mode	C/L Band DPSK	Tunable + MZM	PIN	
	15TRAAV1MPL	✓	Single Mode	1310	EML	PIN	
	14TRAAI2MPL	✓	Single Mode	1550	EML	PIN	
	14TRAAL2MAL	✓	Single Mode	1550	EML	APD	
	12TRAAU4MPLCB	✓	Single Mode	C/L Band PIN	Tunable + LN	PIN	
	12TRAAU4MALCB	✓	Single Mode	C/L Band APD	Tunable + LN	APD	
	16TRAAU4MALCB	✓	Single Mode	C/L Band APD	Tunable + LN	APD	
	12RZAAU4MALCB	✓	Single Mode	C/L Band RZ	Tunable + LN	APD	
	12DBAAU4MALCB	✓	Single Mode	C/L Band ODB	Tunable + LN	APD	

(*) Using 50-micron multimode fiber with 2000 MHz*km bandwidth (**) Extended case temperature ranges and re

2.67 Gb/s	3.3		●	●	●		■	■	●						-10 to 70	LC	2x10	Analog & Digital	40 km
2.67 Gb/s	3.3		●	●	●		■	■	●						-10 to 70	LC	2x10	Analog & Digital	80 km
155 Mb/s	3.3	■					●	●							-40 to 85	LC	2x5	N/A	15 km
622 Mb/s	3.3						●	●							-40 to 85	LC	2x5	N/A	15 km
1.25 Gb/s	5												●		0 to 75	RJ-45	Pluggable	Digital	100 m
1.25 Gb/s	3.3 or 5		●	●											-10 to 85	SC	Pluggable	Digital (optional)	550 m
2.125 Gb/s	3.3 or 5		●	●	●										-10 to 85	SC	Pluggable	Digital	550 m
1.25 Gb/s	3.3 or 5		●	●											-10 to 85	SC	Pluggable	Digital (optional)	10 km
2.125 Gb/s	3.3 or 5		●	●	●										-10 to 85	SC	Pluggable	Digital	10 km
1.25 Gb/s	3.3 or 5		●	●											0 to 70	SC	Pluggable	Digital	40 km
1.25 Gb/s	3.3 or 5		●	●											0 to 60	SC	Pluggable	Digital	80 km
1.25 Gb/s	5		●	●			■	■							0 to 70	SC	Pluggable	Digital	120 km
2.67 Gb/s	5	■	●	●	●		■	■	●						0 to 70	SC	Pluggable	Digital	80 km
1.25 Gb/s	5		●	●				■							0 to 70	SC	Pluggable	Digital	160 km
2.67 Gb/s	5		●	●	●			■	●						0 to 70	SC	Pluggable	Digital	120 km
2.67 Gb/s	5		●	●	●			■	●						-40 to 85	SC	Pluggable	Digital	80 km
2.48 Gb/s	3.3 & 12												●		-40 to 85	SC/APC	1x20	Digital	20 km
2.48 Gb/s	3.3												●		-40 to 85	SC/APC	2x10	Digital	20 km
10.5 Gb/s	3.3								●	●					0 to 70	LC	Pluggable	Digital	300 m(*)
11.3 Gb/s	3.3								●	●	●				-5 to 75	LC	Pluggable	Digital	10 km
11.3 Gb/s	3.3								●	●	●				-40 to 85	LC	Pluggable	Digital	10 km
10.5 Gb/s	3.3									●	●				-5 to 75	LC	Pluggable	Digital	10 km
11.3 Gb/s	3.3 and 5								●	●	●				-5 to 75	LC	Pluggable	Digital	40 km
11.3 Gb/s	3.3 and 5								●	●	●				-5 to 75	LC	Pluggable	Digital	40 km
11.1 Gb/s	1.8, 3.3 and 5								●	●	●				-5 to 70	LC	Pluggable	Digital	40 km
11.1 Gb/s	1.8, 3.3 and 5								●	●	●				-5 to 70	LC	Pluggable	Digital	80 km
11.1 Gb/s	1.8, 3.3 and 5								●	●	●				-5 to 70	LC	Pluggable	Digital	80 km
11.1 Gb/s	1.8, 3.3 and 5								●	●	●				-5 to 70	LC	Pluggable	Digital	80 km
10.3 Gb/s	1.2, 3.3 and 5									●					0 to 70	LC	Pluggable	Digital	300 m(*)
10.5 Gb/s	1.2, 3.3 and 5									●					0 to 70	LC	Pluggable	Digital	300 m(*)
10.3 Gb/s	1.2, 3.3 and 5										●				0 to 70	SC	Pluggable	Digital	10 km
10.5 Gb/s	1.2, 3.3 and 5										●				0 to 70	SC	Pluggable	Digital	10 km
10.3 Gb/s	1.2, 3.3 and 5										●				0 to 70	SC	Pluggable	Digital	300 m(*)
10.5 Gb/s	1.2, 3.3 and 5										●				0 to 70	SC	Pluggable	Digital	300 m(*)
10.3 Gb/s	1.2, 3.3, and 5										●				0 to 70	SC	Pluggable	Digital	220 m(***)
10.3 Gb/s	1.2, 3.3 and 5										●				0 to 70	SC	Pluggable	Digital	10 km
10.5 Gb/s	1.2, 3.3 and 5										●				0 to 70	SC	Pluggable	Digital	80 km
10.3 Gb/s	1.2, 3.3 and 5										●				0 to 70	SC	Pluggable	Digital	80 km
10.3 Gb/s	1.2, 3.3 and 5										●				0 to 70	SC	Pluggable	Digital	300 m(*)
10.3 Gb/s	1.2, 3.3 and 5										●				0 to 70	SC	Pluggable	Digital	10 km
11.3 Gb/s	N/A								●	●	●				-5 to 75	Pigtailed	B-fly w GPO	N/A	120 km
11.3 Gb/s	N/A								●	●	●				-5 to 75	Pigtailed	B-fly w GPO	N/A	120 km
11.3 Gb/s	N/A								●	●	●				-5 to 70	Pigtailed	B-fly w GPO	N/A	120 km
11.3 Gb/s	N/A								●	●	●				-5 to 75	Pigtailed	B-fly w GPO	N/A	200 km
11.3 Gb/s	N/A								●	●	●				-5 to 75	Pigtailed	B-fly w GPO	N/A	200 km
11.3 Gb/s	N/A								●	●	●				-5 to 70	Pigtailed	B-fly w GPO	N/A	200 km
44.6	3.3V, 5V, -5.2V								●						0 to 70		300-pin	Analog & Digital	2 km
44.6	3.3V, 5V, -5.2V								●						0 to 70		300-pin	Analog & Digital	2 km
43.1	3.3V, 5V, -5.2V								●						0 to 70		300-pin	Analog & Digital	80 km
11.3	3.3V, -5.2V								●	●	●				-5 to 70		300-pin	Analog & Digital	12 km
11.3	3.3V, -5.2V								●	●	●				-5 to 70		300-pin	Analog & Digital	40 km
11.3	3.3V, -5.2V								●	●	●				-5 to 70		300-pin	Analog & Digital	80 km
11.3	1.8V, 3.3V, 5V, -5.2V								●	●	●				-5 to 70		300-pin	Analog & Digital	80 km
11.3	1.8V, 3.3V, 5V, -5.2V								●	●	●				-5 to 70		300-pin	Analog & Digital	80 km
11.1	3.3V, 5V, -5.2V								●	●	●				-5 to 70		300-pin	Analog & Digital	80 km
11.3	1.8V, 3.3V, 5V, -5.2V								●	●	●				-5 to 70		300-pin	Analog & Digital	80 km
11.3	1.8V, 3.3V, 5V, -5.2V								●	●	●				-5 to 70		300-pin	Analog & Digital	160 km

Options are available upon request (***) 100m using 50-micron multimode fiber with 400 MHz*km bandwidth

Compliant ● Compatible ■



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