

SFP+ Transceivers

8x/4x/2x/1x Fibre Channel/FICON

SO-SFP-8GFC-SD	8/4/2/1 Gbps Fibre Channel/FICON, MM, DDM, 850nm, 4.3dB, 150m
SO-SFP-8GFC-LD	8/4/2/1 Gbps Fibre Channel/FICON, SM, DDM, 1310nm, 7dB, 1.4km
SO-SFP-8GFC-L10D	8/4/2/1 Gbps Fibre Channel/FICON, SM, DDM, 1310nm, 7dB, 10km
SO-SFP-8GFC-L20D	8/4/2/1 Gbps Fibre Channel/FICON, SM, DDM, 1310nm, 11dB, 20km
SO-SFP-8GFC-L40D	8/4/2/1 Gbps Fibre Channel/FICON, SM, DDM, 1310nm, 16dB, 40km

CWDM 8x/4x/2x/1x Fibre Channel/FICON

SO-SFP-8GFC-40D-Cxx	8/4/2/1 Gbps Fibre Channel/FICON, SM, DDM, CWDM, 18dB, 40km
SO-SFP-8GFC-70D-Cxx	8/4/2/1 Gbps Fibre Channel/FICON, SM, DDM, CWDM, 26dB, 70km

SFP Transceivers

4x/2x/1x Fibre Channel/FICON

SO-SFP-4GFC-SD	4/2/1 Gbps Fibre Channel/FICON, MM, DDM, 850nm, 7dB, 150m
SO-SFP-4GFC-L5D	4/2/1 Gbps Fibre Channel/FICON, SM, DDM, 1310nm, 10dB, 5km
SO-SFP-4GFC-L10D	4/2/1 Gbps Fibre Channel/FICON, SM, DDM, 1310nm, 10dB, 10km
SO-SFP-4GFC-L20D	4/2/1 Gbps Fibre Channel/FICON, SM, DDM, 1310nm, 13dB, 20km
SO-SFP-4GFC-L30D	4/2/1 Gbps Fibre Channel/FICON, SM, DDM, 1310nm, 18dB, 30km
SO-SFP-4GFC-L50D	4/2/1 Gbps Fibre Channel/FICON, SM, DDM, 1550nm, 18dB, 50km
SO-SFP-4GFC-L100D	4/2/1 Gbps Fibre Channel/FICON, SM, DDM, 1550nm, 28dB, 100km

CWDM 4x/2x/1x Fibre Channel/FICON

SO-SFP-4GFC-50D-Cxx	4/2/1 Gbps Fibre Channel/FICON, SM, DDM, CWDM, 18dB, 50km
SO-SFP-4GFC-80D-Cxx	4/2/1 Gbps Fibre Channel/FICON, SM, DDM, CWDM, 28dB, 80km
SO-SFP-4GFC-100D-Cxx	4/2/1 Gbps Fibre Channel/FICON, SM, DDM, CWDM, 30dB, 100km

CWDM: C29 = 1290nm, C31 = 1310nm, C33 = 1330nm, C35 = 1350nm, C37 = 1370nm, C39 = 1390nm, C41 = 1410nm, C43 = 1430nm
C47 = 1470nm, C49 = 1490nm, C51 = 1510nm, C53 = 1530nm, C55 = 1550nm, C57 = 1570nm, C59 = 1590nm, C61 = 1610nm

DWDM 4x/2x/1x Fibre Channel/FICON

SO-SFP-4GFC-80D-Dxxxx	4/2/1 Gbps Fibre Channel/FICON, SM, DDM, DWDM, 30dB, 80km
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Dxxxx = 45 lambda's at ITU grid (please see datasheet)

Dxxxx = D9160 ~ D9600 = 191.60 THz - 196.00 THz

For Example, 1564.68 nm = 191.60 THz = D9160 and 1529.55 nm = 196.00 THz = D9600

Optical Multiplexers and Demultiplexers

CWDM T-Series*

T-3008-LC	8 channel, CWDM Mux/Demux, IL Link=3.5dB, LC
T-3009-LC	8 channel + 1310 port, CWDM Mux/Demux, IL Link=4.0dB, LC
T-3016-LC	8 channel, CWDM extension Mux/Demux, IL Link=3.5dB, LC

DWDM T-Series*

T-3808	8 channel, DWDM Mux/Demux, 100GHz 925 ~932, IL=4.5dB LC
T-3809	8 channel + extension port, DWDM Mux/Demux, 100GHz 934 ~941, IL=5.5dB, LC
T-3832	32 channel DWDM Mux/Demux, 100GHz 934 ~941, IL=7.2dB, LC

Mounting bracket

T-3001-19	19" Mounting bracket for two T-3xxx series including one blanking plate
T-3001-23	23" Mounting bracket for two T-3xxx series into ETSI rack including one blanking plate

*Complete Mux/Demux options available in activeWDM and passiveWDM sections

Multirate xWDM System 100 Mbps - 4.25 Gbps

T-4408	8 channel, 1U, 100 Mbps - 4.25 Gbps System, GUI, SNMP, 2xOSC, APS
T-4408-PM	8 channel, 1U, 100 Mbps - 4.25 Gbps System, GUI, SNMP, 2xOSC, APS, PM
T-4408-TDM	8 channel, 1U, 100 Mbps - 4.25 Gbps System, GUI, SNMP, 2xOSC, APS, 4xEth. aggregation
T-PSU2-AC	AC Power Supply, ETSI 300
T-PSU2-DC	DC Power Supply, ETSI 300

APS - Automatic Protection Switching (1+1 protection), PM - Performance Monitoring

Multirate xWDM System 9.488 Gbps - 10.51 Gbps

T-4902-PM	2 channel, 1U, 10Gbps Multirate XFP System, GUI, SNMP, 2xOSC, APS, PM
T-4904-PM	4 channel, 1U, 10Gbps Multirate XFP System, GUI, SNMP, 2xOSC, APS, PM
T-4904-PM-E17	4 channel, 1U, 10Gbps Multirate XFP System, GUI, SNMP, 2xOSC, APS, PM, +17dBm EDFA
T-4904-PM-E17E17	4 channel, 1U, 10Gbps Multirate XFP System, GUI, SNMP, 2xOSC, APS, PM, 2x+17dBm EDFA
T-EDFA-E17E17	In-Line EDFA, GUI, SNMP, 2xOSC, APS, PM, 2x+17dBm EDFA
T-PSU2-AC	AC Power Supply, ETSI 300
T-PSU2-DC	DC Power Supply, ETSI 300

APS - Automatic Protection Switching (1+1 protection), PM - Performance Monitoring

Dispersion Compensation Modules

T-DCM60	Dispersion Compensation Module 60km
T-DCM80	Dispersion Compensation Module 80km
T-DCM120	Dispersion Compensation Module 120km
T-DCM160	Dispersion Compensation Module 160km

T-38xxE DWDM Mux/Demux Series

T-3804E	4 channel, DWDM Mux/Demux, 100GHz, IL=3.0dB, LC
T-3805E	4 channel + ext. Port (T-3804E), DWDM, Mux/Demux, 100GHz, 1510nm OSC, IL=4.5dB, LC
T-3808E	8 channel, DWDM Mux/Demux, 100GHz, IL=4.5dB, LC
T-3809E	8 channel + ext. Port (T-3808E), DWDM, Mux/Demux, 100GHz, 1510nm OSC, IL=8.0dB, LC

T-3805E + T-3804E combined result in a 8 channel DWDM system

T-3809E + T-3808E combined result in a 16 channel DWDM system

Mounting bracket

T-3001-19	19" Mounting bracket for two T-3xxx series including one blanking plate
T-3001-23	23" Mounting bracket for two T-3xx series into ETSI rack including one blanking plate

FC/FICON over SDH/SONET converters

T-100-1600	FCoSDH/SONET STM-16/OC-48 converter, BB credits for 1600km
T-100-400	FCoSDH/SONET STM-16/OC-48 converter, BB credits for 400km
T-100	2 * GbEth over SDH/xWDM
T-20-1600	FCoSDH/SONET STM-4/OC-12 converter, BB credits for 1600km
T-20-400	FCoSDH/SONET STM-4/OC-12 converter, BB credits for 400km
T-10-1600	FCoSDH/SONET STM-1/OC-3 converter, BB credits for 1600km
T-10-400	FCoSDH/SONET STM-1/OC-3 converter, BB credits for 400km

1310/1550 WDM

T-3001-LC	1310/1550 WDM, IL=1.0dB, LC
T-3001-CATV	1310~1490/1550 CATV, IL=1.0dB, SC-APC, high isolation
T-CAB-13	Ruggedized WDM cable 1310/1550, IL=0.8dB, 1310 TRX site
T-CAB-15	Ruggedized WDM cable 1310/1550, IL=0.8dB, 1550 TRX site

CWDM T-Series

T-3004-LC	4 channel, CWDM Mux/Demux, IL Link=3.0dB, LC
T-3005-LC	4 channel + 1310 port, CWDM Mux/Demux, IL Link=3.5dB, LC
T-3005-LC-LL	4 channel + 1310 port, CWDM Mux/Demux, IL Link=2.5dB, LC
T-3008-LC	8 channel, CWDM Mux/Demux, IL Link=3.5dB, LC
T-3009-LC	8 channel + 1310 port, CWDM Mux/Demux, IL Link=4.0dB, LC
T-3009-LC-LL	8 channel + 1310 port, CWDM Mux/Demux, IL Link=2.5dB, LC
T-3016-LC	8 channel, CWDM extension Mux/Demux, IL Link=3.5dB, LC

CWDM C-Series

C-CWDM-MUX8	8 channel CWDM Mux/Demux with Line Monitor, Cisco compatible
C-CWDM-OADM4-1	4 channel CWDM OADM, with Line Monitor, Cisco compatible
C-CWDM-OADM4-2	4 channel CWDM OADM, with Line Monitor, Cisco compatible
C-CWDM-OADM4-3	4 channel CWDM OADM, with Line Monitor,
C-CWDM-OADM-1xxx	1 channel, 1 lambda, CWDM OADM, with Line Monitor, Cisco compatible

Single Fiber Mux/Demux

T-3204A	4 channel, single fiber CWDM Mux/Demux, 47/51/55/59, IL Link=2.0dB, LC
T-3204B	4 channel, single fiber CWDM Mux/Demux, 49/53/57/61, IL Link=2.0dB, LC
T-3205A	4 channel + UPG port, single fiber CWDM Mux/Demux, 47/51/55/59, IL Link=3.0dB, LC
T-3205B	4 channel + UPG port, single fiber CWDM Mux/Demux, 49/57/53/61, IL Link=3.0dB, LC
T-3206A	4 channel, single fiber CWDM Mux/Demux, 27/31/35/43, IL Link=2.0dB, LC
T-3206B	4 channel, single fiber CWDM Mux/Demux, 29/33/37/45, IL Link=2.0dB, LC
T-3208A	8 channel, single fiber CWDM Mux/Demux, 29/33/37/41/47/51/55/59, IL Link=3.0dB, LC
T-3208B	8 channel, single fiber CWDM Mux/Demux, 31/35/39/43/49/53/57/61, IL Link=3.0dB, LC

CATV Mux/Demux

T-3001-LC-APC	1310/1550 CATV WDM, IL=1.0dB, LC
T-3004-LC-APC	4 channel + 1310 port, CATV CWDM Mux/Demux, IL Link=3.5dB, LC/APC
T-3005-LC-APC	4 channel, CATV CWDM Mux/Demux, IL Link=3.0dB, LC/APC
T-3008-LC-APC	8 channel, CATV CWDM Mux/Demux, IL Link=3.5dB, LC/APC
T-3009-LC-APC	8 channel + 1310 port, CATV CWDM Mux/Demux, IL Link=4.0dB, LC/APC

Multimode CWDM

T-3004-LC-MM	4 channel, CWDM Mux/Demux, IL Link=3.0dB, LC
T-3008-LC-MM	8 channel, CWDM Mux/Demux, IL Link=3.5dB, LC

DWDM T-Series

T-3808	8 channel, DWDM Mux/Demux, 100GHz 925 ~932, IL=4.5dB LC
T-3809	8 channel + extension port, DWDM Mux/Demux, 100GHz 934 ~941, IL=5.5dB, LC
T-3832-LB	32 channel DWDM Mux/Demux, 100GHz 921 ~959, SO channel plan, IL=7.2dB, LC
T-3832-HB	32 channel DWDM Mux/Demux, 100GHz 852 ~890, SO channel plan, IL=7.2dB, LC
T-3833	32 channel + 1 DWDM Mux/Demux, 100GHz 921 ~959, SO channel plan, IL=8.0dB, OSC, LC
T-3804-OADM-xxxxyy	4 channel DWDM OADM, 100GHz, IL=1.5dB, LC, mon. port

Mounting bracket

T-3001-19	19" Mounting bracket for two T-3xxx series including one blanking plate
T-3001-23	23" Mounting bracket for two T-3xx series into ETSI rack including one blanking plate

SFP+ Transceivers

SO-SFP-10GETH-SD	SFP+, 10G Ethernet, MM, DDM, 850nm, 4.3dB, 150m
SO-SFP-10GETH-LD	SFP+, 10G Ethernet, SM, DDM, 1310nm, 7dB, 10km
SO-SFP-10GETH-L20D	SFP+, 10G Ethernet, SM, DDM, 1310nm, 11dB, 20km
SO-SFP-10GETH-L40D	SFP+, 10G Ethernet, SM, DDM, 1310nm, 16dB, 40km
SO-SFP-10GETH-L10D-Cxx	SFP+, 10G Ethernet, SM, DDM, CWDM 1270-1610nm, 16dB, 10km
SO-SFP-10GETH-L40D-Cxx	SFP+, 10G Ethernet, SM, DDM, CWDM 1270-1330nm, 16dB, 40km

XFP Transceivers

SO-XFP-SR	XFP, 10GBase-SR, 10.3125 - 10.5128 Gbps, 850nm, 5 dB, 82m
SO-XFP-LR	XFP, 10GBase-LR, 9.5-11.1 Gbps, 1310nm, 5 dB, 10 km
SO-XFP-LR-Cxx	XFP, 10G Base-LR, 9.5-10.7 Gbps, CWDM, 12 dB, 10-20 km, 1270 nm - 1610 nm
SO-XFP-LR40-Cxx	XFP, 10G Base-ER, 9.5-10.7 Gbps, CWDM, 16 dB, 40 km, 1270 nm - 1330 nm
SO-XFP-ER	XFP, 10GBase-ER, 9.5-10.7 Gbps, 1550nm, 13 dB, 40 km
SO-XFP-ER-Cxx	XFP, 10GBase-ER, 9.5-10.7 Gbps, CWDM, 13 dB, 40 km, 1530 nm & 1550 nm available
SO-XFP-ER-Dxxxx	XFP, 10GBase-ER, 9.5-10.7 Gbps, DWDM, 13 dB, 40 km
SO-XFP-ZR	XFP, 10GBase-ZR, 9.5-11.1 Gbps, 1550nm, 21 dB, 80 km
SO-XFP-ZR-Cxx	XFP, 10GBase-ZR, 9.5-11.1 Gbps, CWDM, 21 dB, 80 km, 1530 nm & 1550 nm available
SO-XFP-ZR-Dxxxx	XFP, 10GBase-ZR, 9.5-11.1 Gbps, DWDM, 21 dB, 80 km
SO-XFP-ZR120-Dxxxx	XFP, 10GBase-ZR, 9.5-11.1 Gbps, DWDM, 26 dB, 120 km

XFP Transceivers

STM-64/OC-192

SO-XFP-L-OC192-SR1	XFP, I-64.1, 9.5-11.1 Gbps, 1310nm, 5 dB, 10 km
SO-XFP-E-OC192-IR2	XFP, S-64.2b, 9.5-10.7 Gbps, 1550nm, 13 dB, 40 km
SO-XFP-E-OC192-IR2-Cxx	XFP, S-64.2b, 9.5-11.1 Gbps, CWDM, 13 dB, 40 km, 1530 nm & 1550 nm available
SO-XFP-E-OC192-IR2-Dxxxx	XFP, S-64.2b, 9.5-11.1 Gbps, DWDM, 13 dB, 40 km
SO-XFP-Z-OC192-LR2	XFP, L-64.2, 9.5-11.1 Gbps, 1550nm, 24 dB, 80 km
SO-XFP-Z-OC192-LR2-Cxx	XFP, L-64.2, 9.5-11.1 Gbps, CWDM, 24 dB, 80 km, 1530 nm & 1550 nm available
SO-XFP-Z-OC192-LR2-Dxxxx	XFP, L-64.2, 9.5-11.1 Gbps, DWDM, 24 dB, 80 km

X2 Transceivers

SO-X2-SR	X2, 10GBase-SR, 10.3125 Gbps, 850nm, 5 dB, 82m,
SO-X2-LR	X2, 10GBase-LR, 10.3125 Gbps, 1310nm, 5.1 dB, 10 km,
SO-X2-ER	X2, 10GBase-ER, 10.3125 Gbps, 1550nm, 9.6 dB, 40 km,
SO-X2-ER-Cxx	X2, 10GBase-ER, 10.3125 Gbps, CWDM 1470-1610nm, 9.6 dB, 40 km
SO-X2-ZR	X2, 10GBase-ZR, 10.3125 Gbps, 1550nm, 24 dB, 80 km
SO-X2-ZR-Cxx	X2, 10GBase-ZR, 10.3125 Gbps, CWDM, 24 dB, 80 km
SO-X2-ZR-Dxxxx	X2, 10GBase-ZR, 10.3125 Gbps, DWDM, 24 dB, 80 km

XENPAK Transceivers

SO-XENPAK-SR	XENPAK, 10GBase-SR, 10.3125 Gbps, 850nm, 5 dB, 82m
SO-XENPAK-LR	XENPAK, 10GBase-LR, 10.3125 Gbps, 1310nm, 5.1 dB, 10 km
SO-XENPAK-ER	XENPAK, 10GBase-ER, 10.3125 Gbps, 1550nm, 9.6 dB, 40 km
SO-XENPAK-ER-Cxx	XENPAK, 10GBase-ER, 10.3125 Gbps, CWDM, 1470-1610nm, 9.6 dB, 40 km
SO-XENPAK-ZR	XENPAK, 10GBase-ZR, 10.3125 Gbps, 1550nm, 24 dB, 80 km
SO-XENPAK-ZR-Cxx	XENPAK, 10GBase-ZR, 10.3125 Gbps, CWDM, 23 dB, 80 km, 1530 nm & 1550 nm available
SO-XENPAK-ZR-Dxxxx	XENPAK, 10GBase-ZR, 10.3125 Gbps, DWDM, 23 dB, 80 km

XPAK Transceivers

SO-XPAK-ETH-SR	XPAK, 10GBaseSR, 10.3125 Gbps, 850nm, 82m
SO-XPAK-ETH-LR	XPAK, 10GBaseLR, 10.3125 Gbps, 1310nm, 10km

SFP Fast Ethernet Transceivers

SO-SFP-GE-FE-FX	SFP, Gigabit Port, 100 Mbps FE, 1310, MM, 2km, SGMII Interface
SO-SFP-GE-FE-LX	SFP, Gigabit Port, 100 Mbps FE, 1310, SM/MM, 10km, SGMII Interface
SO-SFP-100Base-FX	SFP+, 10G Ethernet, SM, DDM, 1310nm, 16dB, 40km
SO-SFP-100Base-LX	SFP, 100 Mbps Fast Ethernet, 1310nm, SM/MM, 13dB, 10km
SO-SFP-100Base-EX	SFP, 100 Mbps Fast Ethernet, 1310nm, SM, 29dB, 40km
SO-SFP-100Base-ZX	SFP, 100 Mbps Fast Ethernet, 1550nm, SM, 29dB, 80km
SO-SFP-100Base-T	SFP, Copper Interface 100Base-T, FX to TX convert
SO-SFP-100Base-L160D	SFP, 100 Mbps Fast Ethernet, 1550nm, SM, DDM, 36dB, 160 km
SO-SFP-100Base-L200D	SFP, 100 Mbps Fast Ethernet, 1550nm, SM, DDM, 46dB, 200 km
SO-SFP-100Base-L80D-Cxx	SFP, 100 Mbps Fast Ethernet, CWDM, SM, DDM, 28dB, 80 km
SO-SFP-100Base-L160D-Cxx	SFP, 100 Mbps Fast Ethernet, CWDM, SM, DDM, 36dB, 160 km
SO-SFP-100Base-L200D-Cxx	SFP, 100 Mbps Fast Ethernet, CWDM, SM, DDM, 46dB, 200 km

SFP Gigabit Ethernet Transceivers

SO-SFP-1000Base-T	SFP, Copper Interface 10/100/1000, SGMII Interface
SO-SFP-1000Base-TR	SFP, Copper Interface 1000Base, SERDES Interface, Rx_loss detection
SO-SFP-1000Base-SX	SFP, 1.25 Gbps Gigabit Ethernet, 850nm, MM, 7dB, 550m
SO-SFP-1000Base-MMX	SFP, 1.25 Gbps Gigabit Ethernet, 1310nm, MM, 10dB, 2km (50/125), 1km (62,5/125)
SO-SFP-1000Base-LX	SFP, 1.25 Gbps Gigabit Ethernet, 1310nm, SM/MM, 10dB, 10km
SO-SFP-1000Base-ZX	SFP, 1.25 Gbps Gigabit Ethernet, 1550nm, SM/MM, 22dB, 80km
SO-SFP-1000Base-SXD	SFP, 1.25 Gbps Gigabit Ethernet, 850nm, MM, DDM, 7dB, 550m
SO-SFP-1000Base-LXD	SFP, 1.25 Gbps Gigabit Ethernet, 1310nm, SM/MM, DDM, 10dB, 10km
SO-SFP-1000Base-L20D	SFP, 1.25 Gbps Gigabit Ethernet, 1310nm, SM/MM, DDM 15dB, 20km
SO-SFP-1000Base-L40D	SFP, 1.25 Gbps Gigabit Ethernet, 1310nm, SM/MM, DDM, 20dB, 40km
SO-SFP-1000Base-ZXD	SFP, 1.25 Gbps Gigabit Ethernet, 1550nm, SM/MM, DDM, 22dB, 80km
SO-SFP-1000Base-EZXD	SFP, 1.25 Gbps Gigabit Ethernet, 1550nm, SM/MM, DDM, 30dB, 120km

CWDM

SO-SFP-L50D-Cxx	SFP, 1.25 Gbps Gigabit Ethernet, CWDM, SM/MM, DDM, 19dB, 50km
SO-SFP-L80D-Cxx	SFP, 1.25 Gbps Gigabit Ethernet, CWDM, SM/MM, DDM, 22dB, 80km
SO-SFP-L120D-Cxx	SFP, 1.25 Gbps Gigabit Ethernet, CWDM, SM, DDM, 30dB, 120km
SO-SFP-L160D-Cxx	SFP, 1.25 Gbps Gigabit Ethernet, CWDM, SM, DDM, 37dB, 160km
SO-SFP-L210D-Cxx	SFP, 1.25 Gbps Gigabit Ethernet, CWDM, SM, DDM, 41dB, 210km

DWDM

SO-SFP-L300D-Dxxxx	SFP, 1.25 Gbps Gigabit Ethernet, DWDM, SM, DDM, 30dB, 300km
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GBIC Gigabit Ethernet Transceivers

SO-GBIC-1000Base-T	GBIC, Copper Interface 10/100/1000
SO-GBIC-1000Base-SX	GBIC, 1.25 Gbps Gigabit Ethernet, 850nm, MM, 7dB, 550m
SO-GBIC-1000Base-LX	GBIC, 1.25 Gbps Gigabit Ethernet, 1310nm, SM/MM, 10dB, 10km
SO-GBIC-1000Base-ZX	GBIC, 1.25 Gbps Gigabit Ethernet, 1550nm, SM/MM, 22dB, 80km

CWDM

SO-GBIC-L80D-Cxx	GBIC, 1.25 Gbps Gigabit Ethernet, CWDM, SM/MM, 22dB, 80km
SO-GBIC-L120D-Cxx	GBIC, 1.25 Gbps Gigabit Ethernet, CWDM, SM/MM, 30dB, 120km

SFP Multirate Transceivers**CWDM**

SO-SFP-MR50D-Cxx*	SFP, 100 Mbps - 2.7 Gbps, Multirate, CWDM, SM, DDM, 18dB, 50km
SO-SFP-MR80D-Cxx*	SFP, L1/4/16.2, 100 Mbps - 2.7 Gbps, Multirate, CWDM, SM, DDM, 28dB, 80km
SO-SFP-MR100D-Cxx*	SFP, L1/4/16.2C, 100 Mbps - 2.7 Gbps, Multirate, CWDM, SM, DDM, 30dB, 100km
SO-SFP-MR120D-Cxx*	SFP, L1/4/16.2C, 100 Mbps - 2.7 Gbps, Multirate, CWDM, SM, DDM, 33dB, 120km

SFP Transceivers**155 Mbps STM-1/OC-3**

SO-SFP-155M-L15D	SFP S1.1, 155 Mbps, 1310nm, SM,DDM, 13dB, 15 km
SO-SFP-155M-L40D	SFP L1.1, 155 Mbps, 1310nm, SM, DDM, 28dB, 40 km
SO-SFP-155M-L80D	SFP+, 10G Ethernet, SM, DDM, 1310nm, 16dB, 40km
SO-SFP-155M-L160D	SFP, 155 Mbps, 1550nm, SM, DDM,36dB, 160 km
SO-SFP-155M-L200D	SFP, 155 Mbps, 1550nm, SM, DDM, 46dB, 200 km
SO-SFP-155M-L80D-Cxx	SFP L1.2, 155 Mbps, CWDM, SM, DDM, 28dB, 80 km
SO-SFP-155M-L160D-Cxx	SFP, 155 Mbps, CWDM, SM, DDM, 36dB, 160 km
SO-SFP-155M-L200D-Cxx	SFP, 155 Mbps, CWDM, SM, DDM, 46dB, 200 km

622 Mbps STM-4/OC-12

SO-SFP-622M-L15D	SFP S4.1, 622 Mbps, 1310nm, SM, 13dB, 15 km
SO-SFP-622M-L40D	SFP L4.1, 622 Mbps, 1310nm, SM, 28dB, 40 km
SO-SFP-622M-L80D	SFP L4.2, 622 Mbps, 1550nm, SM, 28dB, 80 km
SO-SFP-622M-L120D	SFP L4.2, 622 Mbps, 1550nm, SM, 34dB, 120 km
SO-SFP-622M-L160D	SFP L4.2, 622 Mbps, 1550nm, SM, 38dB, 160 km
SO-SFP-622M-L80D-Cxx	SFP L4.2, 622 Mbps, CWDM, SM, 29dB, 80 km
SO-SFP-622M-L120D-Cxx	SFP L4.2, 622 Mbps, CWDM, SM, 34dB, 120 km
SO-SFP-622M-L160D-Cxx	SFP L4.2, 622 Mbps, CWDM, SM, 38dB, 160 km

100 Mbps - 2.7 Gbps STM-1/OC-3, STM-4/OC-12, STM-16/OC-48 and STM-16/OC-48FEC

SO-SFP-MR2D	SFP, I1/4/16.1, 100 Mbps - 2.7 Gbps, Multirate, 1310nm, SM, DDM, 10dB, 2km
SO-SFP-MR15D	SFP, S1/4/16.1, 100 Mbps - 2.7 Gbps, Multirate, 1310nm, SM, DDM, 13dB, 15km
SO-SFP-MR40D	SFP, L1/4/16.1, 100 Mbps - 2.7 Gbps, Multirate, 1310nm, SM, DDM,25dB, 40km

CWDM Transceivers

SO-SFP-MR50D-Cxx*	SFP, 100 Mbps - 2.7 Gbps, Multirate, CWDM, SM, DDM, 18dB, 50km
SO-SFP-MR80D-Cxx*	SFP, L1/4/16.2, 100 Mbps - 2.7 Gbps, Multirate, CWDM, SM, DDM, 28dB, 80km
SO-SFP-MR100D-Cxx*	SFP, L1/4/16.2C, 100 Mbps - 2.7 Gbps, Multirate, CWDM, SM, DDM, 30dB, 100km
SO-SFP-MR120D-Cxx*	SFP, L1/4/16.2C, 100 Mbps - 2.7 Gbps, Multirate, CWDM, SM, DDM, 33dB, 120km

DWDM Transceivers

SO-SFP-MR200D-Dxxxx**	SFP, 100 Mbps - 2.7 Gbps, Multirate, DWDM, SM, DDM, 30dB, 200km
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SFP Bi-directional Transceivers 100-155 Mbps, DDMI

1310/1550

SO-SFP-MR155-BX20D-35	SFP, bi-directional, 100 Mbps - 155 Mbps, TX=1310nm, RX=1550nm, DDM, 20km
SO-SFP-MR155-BX20D-53	SFP+, 10G Ethernet, SM, DDM, 1310nm, 16dB, 40km

SFP Bi-directional Transceivers 1000Base, DDMI

1310/1550

SO-SFP-1000Base-BX-MMD-35	SFP, bi-directional, 1000Base, TX=1310nm, RX=1550nm, MM, DDM, 7dB, 500m
SO-SFP-1000Base-BX-MMD-53	SFP, bi-directional, 1000Base, TX=1550nm, RX=1310nm, MM, DDM, 7dB, 500m
SO-SFP-1000Base-BX10D-35	SFP, bi-directional, 1000Base, TX=1310nm, RX=1550nm, DDM, 13dB, 10km
SO-SFP-1000Base-BX10D-53	SFP, bi-directional, 1000Base, TX=1550nm, RX=1310nm, DDM, 13dB, 10km
SO-SFP-1000Base-BX20D-35	SFP, bi-directional, 1000Base, TX=1310nm, RX=1550nm, DDM, 15dB, 20km
SO-SFP-1000Base-BX20D-53	SFP, bi-directional, 1000Base, TX=1550nm, RX=1310nm, DDM, 15dB, 20km
SO-SFP-1000Base-BX40D-35	SFP, bi-directional, 1000Base, TX=1310nm, RX=1550nm, DDM, 22dB, 40km
SO-SFP-1000Base-BX40D-53	SFP, bi-directional, 1000Base, TX=1550nm, RX=1310nm, DDM, 22dB, 40km

1310/1490

SO-SFP-1000Base-BX10D-34	SFP, bi-directional 1000Base, TX=1310nm, RX=1490nm, DDM, 13dB, 10km
SO-SFP-1000Base-BX10D-43	SFP, bi-directional 1000Base, TX=1490nm, RX=1310nm, DDM, 13dB, 10km
SO-SFP-1000Base-BX20D-34	SFP, bi-directional 1000Base, TX=1310nm, RX=1490nm, DDM, 15dB, 20km
SO-SFP-1000Base-BX20D-43	SFP, bi-directional 1000Base, TX=1490nm, RX=1310nm, DDM, 15dB, 20km
SO-SFP-1000Base-BX40D-34	SFP, bi-directional 1000Base, TX=1310nm, RX=1490nm, DDM, 22dB, 40km
SO-SFP-1000Base-BX40D-43	SFP, bi-directional 1000Base, TX=1490nm, RX=1310nm, DDM, 22dB, 40km

1510/1590

SO-SFP-1000Base-BX120D-5159	SFP, bi-directional 1000Base, TX=1510nm, RX=1590nm, DDM, 31dB, 120km
SO-SFP-1000Base-BX120D-5951	SFP, bi-directional 1000Base, TX=1590nm, RX=1510nm, DDM, 31dB, 120km
SO-SFP-1000Base-BX160D-5159	SFP, bi-directional 1000Base, TX=1510nm, RX=1590nm, DDM, 37dB, 160km
SO-SFP-1000Base-BX160D-5951	SFP, bi-directional 1000Base, TX=1590nm, RX=1510nm, DDM, 37dB, 160km

SFP Bi-directional Transceivers 100-155 Mbps, Without DDMI

1310/1550

SO-SFP-MR155-BX20-35	SFP, bi-directional, 100 Mbps - 155 Mbps, TX=1310nm, RX=1550nm, 20km
SO-SFP-MR155-BX20-53	SFP, bi-directional, 1000Base, TX=1310nm, RX=1550nm, MM, DDM, 7dB, 500m
SO-SFP-MR155-BX40-35	SFP, bi-directional, 100 Mbps - 155 Mbps, TX=1310nm, RX=1550nm, 40km
SO-SFP-MR155-BX40-53	SFP, bi-directional, 100 Mbps - 155 Mbps, TX=1550nm, RX=1310nm, 40km

1310/1490

SO-SFP-100Base-BX20-34	SFP, bi-directional 100Base, TX=1310nm, RX=1490nm, 22dB, 20km
SO-SFP-100Base-BX20-43	SFP, bi-directional 100Base, TX=1490nm, RX=1310nm, 22dB, 20km

SFP Bi-directional Transceivers 1000Base, Without DDMI

1310/1550

SO-SFP-1000Base-BX10-35	SFP, bi-directional, 1000Base, TX=1310nm, RX=1550nm, 13dB, 10km
SO-SFP-1000Base-BX10-53	SFP, bi-directional, 1000Base, TX=1550nm, RX=1310nm, 13dB, 10km
SO-SFP-1000Base-BX20-35	SFP, bi-directional, 1000Base, TX=1310nm, RX=1550nm, 15dB, 20km
SO-SFP-1000Base-BX20-53	SFP, bi-directional, 1000Base, TX=1550nm, RX=1310nm, 15dB, 20km
SO-SFP-1000Base-BX40-35	SFP, bi-directional, 1000Base, TX=1310nm, RX=1550nm, 22dB, 40km
SO-SFP-1000Base-BX40-53	SFP, bi-directional, 1000Base, TX=1550nm, RX=1310nm, 22dB, 40km

1310/1490

SO-SFP-1000Base-BX10-34	SFP, bi-directional 1000Base, TX=1310nm, RX=1490nm, 13dB, 10km
SO-SFP-1000Base-BX10-43	SFP, bi-directional 1000Base, TX=1490nm, RX=1310nm, 13dB, 10km
SO-SFP-1000Base-BX20-34	SFP, bi-directional 1000Base, TX=1310nm, RX=1490nm, 15dB, 20km
SO-SFP-1000Base-BX40-34	SFP, bi-directional 1000Base, TX=1310nm, RX=1490nm, 22dB, 40km
SO-SFP-1000Base-BX40-43	SFP, bi-directional 1000Base, TX=1490nm, RX=1310nm, 22dB, 40km

1510/1590

SO-SFP-1000Base-BX120-5159	SFP, bi-directional 1000Base, TX=1510nm, RX=1590nm, 31dB, 120km
SO-SFP-1000Base-BX120-5951	SFP, bi-directional 1000Base, TX=1590nm, RX=1510nm, 31dB, 120km

For SC connector add -SC at the end of the part no.

SFP Bi-directional Transceivers 100 Mbps - 2.7 Gbps

1310/1550

SO-SFP-MR25-BX5-35	SFP, bi-directional, 100 Mbps - 2.7 Gbps, TX=1310nm, RX=1550nm, 8dB, 5km
SO-SFP-MR25-BX5-53	SFP, bi-directional, 100 Mbps - 2.7 Gbps, TX=1550nm, RX=1310nm, 8dB, 5km
SO-SFP-MR25-BX20-35	SFP, bi-directional, 100 Mbps - 2.7 Gbps, TX=1310nm, RX=1550nm, 13dB, 20km
SO-SFP-MR25-BX20-53	SFP, bi-directional, 100 Mbps - 2.7 Gbps, TX=1550nm, RX=1310nm, 13dB, 20km
SO-SFP-MR25-BX40-35	SFP, bi-directional, 100 Mbps - 2.7 Gbps, TX=1310nm, RX=1550nm, 18dB, 40km
SO-SFP-MR25-BX40-53	SFP, bi-directional, 100 Mbps - 2.7 Gbps, TX=1550nm, RX=1310nm, 18dB, 40km

1310/1490

SO-SFP-MR25-BX5-34	SFP, bi-directional, 100 Mbps - 2.7 Gbps, TX=1310nm, RX=1490nm, 8dB, 5km
SO-SFP-MR25-BX5-43	SFP, bi-directional, 100 Mbps - 2.7 Gbps, TX=1490nm, RX=1310nm, 8dB, 5km
SO-SFP-MR25-BX20-34	SFP, bi-directional, 100 Mbps - 2.7 Gbps, TX=1310nm, RX=1490nm, 13dB, 20km
SO-SFP-MR25-BX20-43	SFP, bi-directional, 100 Mbps - 2.7 Gbps, TX=1490nm, RX=1310nm, 13dB, 20km
SO-SFP-MR25-BX40-34	SFP, bi-directional, 100 Mbps - 2.7 Gbps, TX=1310nm, RX=1490nm, 18dB, 40km
SO-SFP-MR25-BX40-43	SFP, bi-directional, 100 Mbps - 2.7 Gbps, TX=1490nm, RX=1310nm, 18dB, 40km

GBIC Bi-directional Transceivers 1.25 Gbps**1310/1550**

SO-GBIC-1000Base-BX10-35	GBIC, bi-directional 1000Base, TX=1310nm, RX=1550nm, 13dB, 10km
SO-GBIC-1000Base-BX10-53	GBIC, bi-directional 1000Base, TX=1550nm, RX=1310nm, 13dB, 10km
SO-GBIC-1000Base-BX20-35	GBIC, bi-directional 1000Base, TX=1310nm, RX=1550nm, 15dB, 20km
SO-GBIC-1000Base-BX20-53	GBIC, bi-directional 1000Base, TX=1550nm, RX=1310nm, 15dB, 20km
SO-GBIC-1000Base-BX40-35	GBIC, bi-directional 1000Base, TX=1310nm, RX=1550nm, 22dB, 40km
SO-GBIC-1000Base-BX40-53	GBIC, bi-directional 1000Base, TX=1550nm, RX=1310nm, 22dB, 40km

1310/1490

SO-GBIC-1000Base-BX10-34	GBIC, bi-directional 1000Base, TX=1310nm, RX=1490nm, 13dB, 10km
SO-GBIC-1000Base-BX10-43	GBIC, bi-directional 1000Base, TX=1490nm, RX=1310nm, 13dB, 10km
SO-GBIC-1000Base-BX20-34	GBIC, bi-directional 1000Base, TX=1310nm, RX=1490nm, 15dB, 20km
SO-GBIC-1000Base-BX20-43	GBIC, bi-directional 1000Base, TX=1490nm, RX=1310nm, 15dB, 20km
SO-GBIC-1000Base-BX40-34	GBIC, bi-directional 1000Base, TX=1310nm, RX=1490nm, 22dB, 40km
SO-GBIC-1000Base-BX40-43	GBIC, bi-directional 1000Base, TX=1490nm, RX=1310nm, 22dB, 40km

DWDM Wavelength Plan

ITU channel no.	Wavelength nm	Frequency THz	SO channel ID	T-3832	T-3809	T-3808	T-3805E	T-3804E	T-3809E	T-3808E
61	1528.77	196.10	9610							
60	1529.55	196.00	9600							
59	1530.33	195.90	9590							
58	1531.12	195.80	9580							
57	1531.90	195.70	9570							
56	1532.68	195.60	9560							
55	1533.47	195.50	9550							
54	1534.25	195.40	9540							
53	1535.04	195.30	9530							
52	1535.82	195.20	9520							
51	1536.61	195.10	9510							
50	1537.40	195.00	9500							
49	1538.19	194.90	9490							
48	1538.98	194.80	9480							
47	1539.77	194.70	9470							
46	1540.56	194.60	9460							
45	1541.35	194.40	9450							
44	1542.14	194.40	9440							
43	1542.94	194.30	9430							
42	1543.73	194.20	9420							
41	1544.53	194.10	9410							
40	1545.32	194.00	9400							
39	1546.12	193.90	9390							
38	1546.92	193.80	9380							
37	1547.72	193.70	9370							
36	1548.51	193.60	9360							
35	1549.32	193.50	9350							
34	1550.12	193.40	9340							
33	1550.92	193.30	9330							
32	1551.72	193.20	9320							
31	1552.52	193.10	9310							
30	1553.33	193.00	9300							
29	1554.13	192.90	9290							
28	1554.94	192.80	9280							
27	1555.75	192.70	9270							
26	1556.55	192.60	9260							
25	1557.36	192.50	9250							
24	1558.17	192.40	9240							
23	1558.98	192.30	9230							
22	1559.79	192.20	9220							
21	1560.61	192.10	9210							
20	1561.42	192.00	9200							
19	1562.23	191.90	9190							
18	1563.05	191.80	9180							

CWDM Wavelength Plan

ITU channel no.	Wavelength nm	T-3016	T-3008/9	T-3004/5
27	1270			
29	1290			
31	1310			
35	1350			
37	1370			
39	1390			
41	1410			
43	1430			
45	1450			
47	1470			
49	1490			
51	1510			
53	1530			
55	1550			
57	1570			
59	1590			
61	1610			