



SOLID OPTICS

**Global Supplier and Manufacturer of
Optical Networking Equipment & Solutions**



Get in touch



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Who are we?

Solid Optics is a global supplier of a wide range of optical transceivers, multiplexers, OADMs and power meters; with a special focus on dark fiber CWDM & DWDM projects.

Quality is our number one priority -All our products undergo rigorous quality control procedures and are covered by our extensive warranty.

At Solid Optics, we are continually developing new products to meet our customers' changing needs. Our Multi-Fiber-Tool gives our customers the ability to recode our optics on-site and our innovative multiplexers provide simple and unique solutions for DWDM projects.

In addition to our standard product line, we offer custom solutions for: projects requiring multiplexers with additional features and ports, splice trays, underground enclosures, dispersion compensators and more.



Why choose Solid Optics?



EXPERTISE

We are experts in both passive CWDM & DWDM Technology and in coding for over 100 different network brands, helping our customers avoid costly integration mistakes and missed deployment deadlines.



INNOVATION

We continue to develop new products and tools to help improve our customers' network efficiency and allow for future adaptability.



QUALITY & WARRANTY

Our quality standards are among the highest in the industry, ensuring maximum network uptime for our customers.



SAVINGS

Our product line is priced to maximize network budget dollars, creating substantial savings compared to OEM network equipment brands.



FAST LEAD TIMES

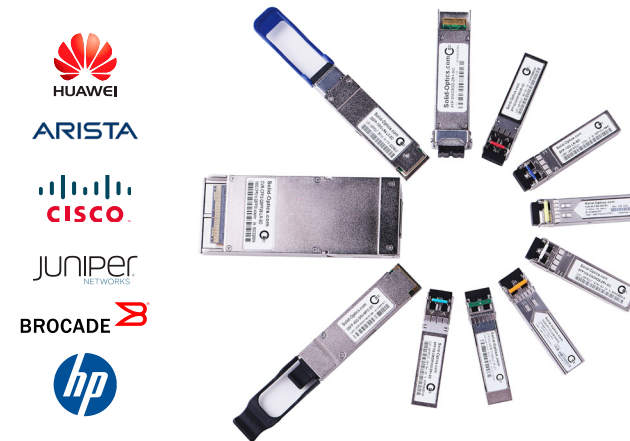
Our lead times are typically much shorter than the OEM network equipment brands, allowing for faster integration, testing, and deployment to meet pressing project deadlines.



SERVICE & SUPPORT

Our extremely responsive Account Managers and highly trained support team offer robust support, designed to save our customers valuable upkeep time.

100% COMPATIBLE OPTICS



- 400G
- 100G
- 40G
- 10G
- 1G

• BIDI

• FTTH

• EXTENSIVELY TESTED

- OSFP
- QSFP-DD
- QSFP28
- SFP-DD
- QSFP+
- SFP28
- XFP
- SFP

FIBER SERVICE TOOLS



• FIBER CAMERA

• OPTICAL SPECTRUM ANALYZER

• POWER METER

• CLEANING TOOL

LWDM CWDM DWDM OWDM PASSIVE MUX OADM EDFAMUX (MUX+EDFA+DCM IN 1RU)



- CWDM
- DWDM
- LWDM
- OWDM

• OADM

• PASSIVE MULTIPLEXER AND EDFAMUX

• SFP+/XFP TUNABLE

REGULAR



SFP 1G

	Wavelength(s)/ Channel(s)	Powerbudget Db	Connector	Default Temperature	Maximum Temperature
GLC/SFP-1G-T-SO	-	-	RJ45	0°C to 70°C	-40°C to 85°C
SFP-1G-SX-SO	850 nm	7 dB	LC Duplex	0°C to 70°C	-40°C to 85°C
SFP-1G-LX-MMF-SO	1310 nm	10 dB	LC Duplex	0°C to 70°C	-40°C to 85°C
SFP-1G-LX-SO	1310 nm	10 dB	LC Duplex	0°C to 70°C	-40°C to 85°C
SFP-1G-EX-SO	1310 nm	15 dB	LC Duplex	0°C to 70°C	-40°C to 85°C
SFP-1G-EX-1550-SO	1550 nm	19 dB	LC Duplex	0°C to 70°C	0°C to 70°C
SFP-1G-ZX-SO	1550 nm	24 dB	LC Duplex	0°C to 70°C	-40°C to 85°C



SFP 10G

	Wavelength(s)/ Channel(s)	Powerbudget Db	Connector	Default Temperature	Maximum Temperature
SFP-10G-T-SO	-	-	RJ45	0°C to 70°C	0°C to 70°C
SFP-10G-SR-SO	850 nm	5 dB	LC Duplex	0°C to 70°C	-40°C to 85°C
SFP-10G-IR-SIMPLEX-SO	1310 nm	3.5 dB	LC Simplex	0°C to 70°C	0°C to 70°C
SFP-10G-LRM-SO	1310 nm	3.5 dB	LC Duplex	0°C to 70°C	-40°C to 85°C
SFP-10G-LR-SO	1310 nm	10 dB	LC Duplex	0°C to 70°C	-40°C to 85°C
SFP-10G-ER-SO (1310/1550)	1550 nm	15 dB	LC Duplex	0°C to 70°C	-40°C to 85°C
SFP-10G-MR-1310-SO (Multi Range)	1310 nm	15 dB	LC Duplex	0°C to 70°C	-40°C to 85°C
SFP-10G-ZR-SO	1550 nm	24 dB	LC Duplex	0°C to 70°C	-40°C to 85°C
SFP-10G-EZR-SO	1550 nm	26 dB	LC Duplex	0°C to 70°C	-40°C to 85°C
CVR-XENPAK-SFP10G-SO	-	-	-	-	-
CVR-X2-SFP10G-SO	-	-	-	-	-



XFP 10G

	Wavelength(s)/ Channel(s)	Powerbudget Db	Connector	Default Temperature	Maximum Temperature
XFP-10G-SR-SO	850 nm	4 dB	LC Duplex	0°C to 70°C	-40°C to 85°C
XFP-10G-LR-SO	1310 nm	6 dB	LC Duplex	0°C to 70°C	-40°C to 85°C
XFP-10G-ER-SO	1550 nm	15 dB	LC Duplex	0°C to 70°C	-40°C to 85°C
XFP-10G-ZR-SO	1550 nm	24 dB	LC Duplex	0°C to 70°C	-40°C to 85°C

TRANSCEIVER MODULES



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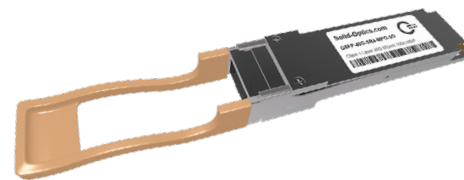




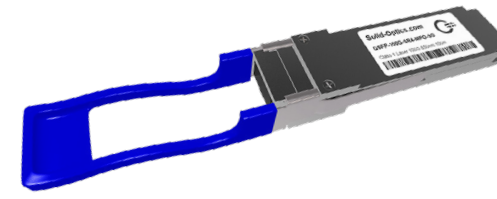
SFP 2.5G	Wavelength(s)/ Channel(s)	Powerbudget Db	Connector	Default Temperature	Maximum Temperature
SFP-2.5G-SR-SO	850 nm	8 dB	LC Duplex	0°C to 70°C	-40°C to 85°C
SFP-2.5G-LR-SO	1310 nm	6 dB	LC Duplex	0°C to 70°C	-40°C to 85°C
SFP-2.5G-ER-SO	1550 nm	25 dB	LC Duplex	0°C to 70°C	-40°C to 85°C
SFP-2.5G-ZR-SO	1550 nm	26 dB	LC Duplex	0°C to 70°C	-40°C to 85°C



SFP 25G	Wavelength(s)/ Channel(s)	Powerbudget Db	Connector	Default Temperature	Maximum Temperature
SFP-25G-SR-SO	850 nm	2 dB	LC Duplex	0°C to 70°C	-40°C to 85°C
SFP-25G-LR-SO	1310 nm	6.3 dB	LC Duplex	0°C to 70°C	-40°C to 85°C
SFP-25G-ER-SO	1310 nm	19 dB	LC Duplex	0°C to 70°C	-40°C to 85°C
SFP-25G-ZR-SO	1300.05 nm	28.5 dB per lane	LC Duplex	0°C to 70°C	0°C to 70°C
SFP-10G25G-SR-SO	850 nm	2.7 dB	LC Duplex	0°C to 70°C	0°C to 70°C
SFP-10G25G-LR-SO	1310 nm	6.3 dB	LC Duplex	0°C to 70°C	-40°C to 85°C



QSFP 40G	Wavelength(s)/ Channel(s)	Powerbudget Db	Connector	Default Temperature	Maximum Temperature
QSFP-40G-CSR4-MPO-SO	840-860 nm	2 dB	MPO12	0°C to 70°C	0°C to 70°C
QSFP-40G-SR4-MPO-SO	840-860 nm	2 dB	MPO12	0°C to 70°C	0°C to 70°C
QSFP-40G-LR4-MPO-SO	1270/1290/1310/1330 nm	4.5 dB	MPO12	0°C to 70°C	0°C to 70°C
QSFP-40G-LX4-SO	1270/1290/1310/1330 nm	4.5 dB	LC Duplex	0°C to 70°C	0°C to 70°C
QSFP-40G-IR4-SO	1270/1290/1310/1330 nm	4.5 dB	LC Duplex	0°C to 70°C	0°C to 70°C
QSFP-40G-LR4-SO	1270/1290/1310/1330 nm	6.7 dB per lane	LC Duplex	0°C to 70°C	0°C to 70°C
QSFP-40G-ER4-LC-SO	1270/1290/1310/1330 nm	16 dB	LC Duplex	0°C to 70°C	0°C to 70°C
QSFP-40G-ZR4-SO	1295.56/1300.05/1304.58/1309.14 nm	28.9 dB per lane	LC Duplex	0°C to 70°C	0°C to 70°C
CVR-QSFP-SFP10G-SO	-	-	-	-	-

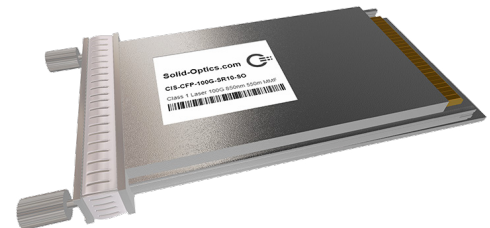


QSFP 100G	Wavelength(s)/ Channel(s)	Powerbudget Db	Connector	Default Temperature	Maximum Temperature
QSFP-100G-SR4-MPO-SO	840-860 nm	2 dB	MPO12	0°C to 70°C	0°C to 70°C
QSFP-100G-IR4-MPO-SO	1295.56/1300.05/1304.58/1309.14 nm	6.2 dB	MPO12	0°C to 70°C	0°C to 70°C
QSFP-100G-LR4-MPO-SO	1310 nm	6.3 dB	MPO12	0°C to 70°C	0°C to 70°C
QSFP-100G-SR-BD-SO	850/910 nm	2 dB per lane	LC Duplex	0°C to 70°C	0°C to 70°C
QSFP-100G-DR1-SO	1310 nm	3 dB	LC Duplex	0°C to 70°C	0°C to 70°C
QSFP-100G-CWDM4-IR-SO	1270/1290/1310/1330 nm	3.5 dB	LC Duplex	0°C to 70°C	0°C to 70°C
QSFP-100G-CLR4-SO	1271/1291/1311/1331 nm	3.5 dB per lane	LC Duplex	0°C to 70°C	0°C to 70°C
QSFP-100G-FR1-SO	1310 nm	4 dB	LC Duplex	0°C to 70°C	0°C to 70°C
QSFP-100G-LR1-SO	1311 nm	6.3 dB	LC Duplex	0°C to 70°C	0°C to 70°C
QSFP-100G-LR4-SO	1295.56/1300.05/1304.58/1309.14 nm	6.3 dB	LC Duplex	0°C to 70°C	0°C to 70°C
QSFP-100G-LR8-SO	1273.54/1277.89/1282.26/1286.66/1295.56/1300.05/1304.58/1309.14 nm	6.3 dB	LC Duplex	0°C to 70°C	0°C to 70°C
QSFP-100G-eLR4-SO	1295.56/1300.05/1304.58/1309.14 nm	8.1 dB	LC Duplex	0°C to 70°C	0°C to 70°C
QSFP-100G-ER1-SO	1309.14 nm	17.1 dB	LC Duplex	0°C to 70°C	0°C to 70°C
QSFP-100G-ER4-SO	1295.56/1300.05/1304.58/1309.14 nm	18 dB w/o FEC	LC Duplex	0°C to 70°C	-40°C to 85°C
QSFP-100G-ER4+-SO	1295.56/1300.05/1304.58/1309.14 nm	18 dB	LC Duplex	0°C to 70°C	0°C to 70°C
QSFP-100G-ZR4-SO	1295.56/1300.05/1304.58/1309.14 nm	30 dB	LC Duplex	0°C to 70°C	-40°C to 85°C
QSFP-100G-ZR4+-SO	1295.56/1300.05/1304.58/1309.14 nm	32 dB	LC Duplex	0°C to 70°C	0°C to 70°C
CVR-QSFP28-SFP28-SO	-	-	-	-	-

QSFP DD 200G	Wavelength(s)/ Channel(s)	Powerbudget Db	Connector	Default Temperature	Maximum Temperature
QDD-2x100G-LR4-DCS-SO	1295.56/1300.01/1304.5/1309.14 nm	6.3 dB	Dual CS	0°C to 70°C	0°C to 70°C
QDD-2x100G-CWDM4-DCS-SO	1271/1291/1311/1331 nm	5 dB	Dual CS	0°C to 70°C	0°C to 70°C



QSF DD 400G	Wavelength(s)/ Channel(s)	Powerbudget Db	Connector	Default Temperature	Maximum Temperature
QDD-400G-SR8-MPO-SO	8 parallel lanes on 850nm	1.9 dB	MPO-16	0°C to 70°C	0°C to 70°C
QDD-400G-SR4-MPO-SO	4 parallel lanes on 850/910 nm	2 dB	MPO-12	0°C to 70°C	0°C to 70°C
QDD-400G-DR4-MPO-SO	4 parallel lanes on 1310nm	3 dB	MPO-12	0°C to 70°C	0°C to 70°C
QDD-400G-DR4+-MPO-SO	4 parallel lanes on 1310nm	6 dB	MPO-12	0°C to 70°C	0°C to 70°C
QDD-400G-FR4-SO	1270/1290/1310/1330	4 dB	LC	0°C to 70°C	0°C to 70°C
QDD-400G-LR4-SO	1270/1290/1310/1330	6.3 dB	LC	0°C to 70°C	0°C to 70°C
QDD-400G-LR8-SO	1273.54/1277.89/1282.26/1286.66/1295.56/1300.05/1304.58/1309.14	6.3 dB	LC	0°C to 70°C	0°C to 70°C
QDD-400G-ER8-SO	1273.54/1277.89/1282.26/1286.66/1295.56/1300.05/1304.58/1309.14	18 dB	LC	0°C to 70°C	0°C to 70°C



CFP	Wavelength(s)/ Channel(s)	Powerbudget Db	Connector	Default Temperature	Maximum Temperature
CFP-100G-SR10-MPO-SO	840-860 nm	2 dB	LC Duplex	0°C to 70°C	-40°C to 85°C
CFP-100G-LR4-SO	1295.56/1300.05/1304.58/1309.14 nm	6.3 dB	LC Duplex	0°C to 70°C	-40°C to 85°C
CFP-100G-ER4-SO	1295.56/1300.05/1304.58/1309.14 nm	19 dB	LC Duplex	0°C to 70°C	-40°C to 85°C
CFP-100G-ZR10-SO	1546.12/1546.92/1547.72/1548.51/1549.32/1550.12/1550.92/1551.72/1552.52/1553.33 nm	28.5 dB per lane	LC Duplex	0°C to 70°C	0°C to 70°C



CFP2	Wavelength(s)/ Channel(s)	Powerbudget Db	Connector	Default Temperature	Maximum Temperature
CFP2-100G-SR10-MPO-SO	840-860 nm	5 dB	MPO24	0°C to 70°C	0°C to 70°C
CFP2-100G-LR4-SO	1295.56/1300.05/1304.58/1309.14 nm	10 dB	LC Duplex	0°C to 70°C	0°C to 70°C
CFP2-100G-ER4-SO	1295.56/1300.05/1304.58/1309.14 nm	15 dB	LC Duplex	0°C to 70°C	0°C to 70°C



CFP4	Wavelength(s)/ Channel(s)	Powerbudget Db	Connector	Default Temperature	Maximum Temperature
CFP4-100G-SR10-MPO-SO	840-860 nm	5 dB	MPO24	0°C to 70°C	0°C to 70°C
CFP4-100G-LR4-SO	1295.56/1300.05/1304.58/1309.14 nm	10 dB	LC Duplex	0°C to 70°C	0°C to 70°C
CFP4-100G-ER4-SO	1295.56/1300.05/1304.58/1309.14 nm	15 dB	LC Duplex	0°C to 70°C	0°C to 70°C



FIBRE CHANNEL 8G	Wavelength(s)/ Channel(s)	Powerbudget Db	Connector	Default Temperature	Maximum Temperature
SFP-8G-FC-SR-SO	850 nm	5 dB	LC Duplex	0°C to 70°C	-40°C to 85°C
SFP-8G-FC-LRM-SO	1310 nm	5 dB	LC Duplex	0°C to 70°C	-40°C to 85°C
SFP-8G-FC-LR-SO	1310 nm	6.3 dB	LC Duplex	0°C to 70°C	-40°C to 85°C
SFP-8G-FC-ER-SO	1550 nm	15 dB	LC Duplex	0°C to 70°C	-40°C to 85°C
SFP-8G-FC-ZR-SO	1550 nm	24 dB	LC Duplex	0°C to 70°C	-40°C to 85°C



FIBRE CHANNEL 16G	Wavelength(s)/ Channel(s)	Powerbudget Db	Connector	Default Temperature	Maximum Temperature
SFP-16G-FC-SR-SO	850 nm	2.6 dB	LC Duplex	0°C to 70°C	-40°C to 85°C
SFP-16G-FC-LR-SO	1310 nm	7 dB	LC Duplex	0°C to 70°C	-40°C to 85°C
SFP-16G-FC-ER-SO	1310 nm	15 dB	LC Duplex	0°C to 70°C	-40°C to 85°C



BI-DIRECTIONAL

SFP 1G

	Wavelength(s)/ Channel(s)	Powerbudget Db	Connector	Default Temperature	Maximum Temperature
SFP-1G-BX-MMF-SO	1490/1310 nm 1550/1310 nm	13 db	LC Simplex	0°C to 70°C	-40°C to 85°C
SFP-1G-BXD/U20-SO	1490/1310 nm 1550/1310 nm 1550/1490 nm	11 db	LC/SC Simplex	0°C to 70°C	-40°C to 85°C
SFP-1G-BXD/U40-SO	1490/1310 nm 1550/1490 nm	19 db	LC/SC Simplex	0°C to 70°C	-40°C to 85°C
SFP-1G-BXD/U80-SO	1550/1490 nm	26 db	LC/SC Simplex	0°C to 70°C	-40°C to 85°C
SFP-1G-BXD/U120-SO	1550/1490 nm	32 db	LC/SC Simplex	0°C to 70°C	-40°C to 85°C
SFP-1G-BXD/U160-SO	1550/1490 nm	34 db	LC/SC Simplex	0°C to 70°C	-40°C to 85°C
SFP-1G-CWDM-BXD/U40-I-SO	1271-1611 nm	17dB	LC Simplex	-40°C to 85°C	-40°C to 85°C
SFP-1G-CWDM-BXD/U40-OTDR-I-SO	1271-1611 nm	20 db	LC Simplex	-40°C to 85°C	-40°C to 85°C



CSFP 1G

	Wavelength(s)/ Channel(s)	Powerbudget Db	Connector	Default Temperature	Maximum Temperature
SFP-1G-2BXD/U20-SO	1490/1310 nm 1550/1310 nm	10.5 db	LC Simplex	0°C to 70°C	-40°C to 85°C



SFP 2.5G

	Wavelength(s)/ Channel(s)	Powerbudget Db	Connector	Default Temperature	Maximum Temperature
SFP-2.5G-BXD/U20-SO	1550/1310 nm	14 db	LC/SC Simplex	0°C to 70°C	-40°C to 85°C
SFP-2.5G-BXD/U40-SO	1550/1310 nm 1550/1490 nm	17 db	LC/SC Simplex	0°C to 70°C	-40°C to 85°C
SFP-2.5G-BXD/U80-SO	1550/1490 nm	26 db	LC/SC Simplex	0°C to 70°C	-40°C to 85°C



SFP+ 10G

	Wavelength(s)/ Channel(s)	Powerbudget Db	Connector	Default Temperature	Maximum Temperature
SFP-10G-BX10-OLP-SO	1330/1270 nm	6.6 db	LC/SC Simplex	0°C to 70°C	0°C to 70°C
SFP-10G-BXD/U20-SO	1330/1270 nm	9 db	LC/SC Simplex	0°C to 70°C	-40°C to 85°C
SFP-10G-BXD/U40-SO	1330/1270 nm	15 db	LC/SC Simplex	0°C to 70°C	-40°C to 85°C
SFP-10G-BXD/U60-SO	1330/1270 nm	20 dB	LC/SC Simplex	0°C to 70°C	-40°C to 85°C
SFP-10G-BXD/U80-SO	1550/1490 nm	23 db	LC/SC Simplex	0°C to 70°C	-40°C to 85°C
SFP-10G-CWDM-BXD/U40-I-SO	1271-1611 nm	15 db	LC/SC Simplex	-40°C to 85°C	-40°C to 85°C



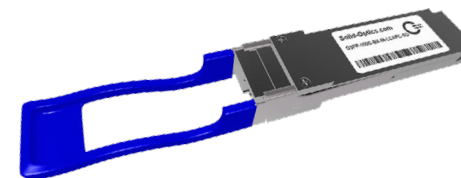
XFP 10G

	Wavelength(s)/ Channel(s)	Powerbudget Db	Connector	Default Temperature	Maximum Temperature
XFP-10G-BXD/U20-SO	1330/1270 nm	10 db	LC/SC Simplex	0°C to 70°C	-40°C to 85°C
XFP-10G-BXD/U40-SO	1330/1270 nm	15 db	LC/SC Simplex	0°C to 70°C	-40°C to 85°C
XFP-10G-BXD/U60-SO	1330/1270 nm	20 db	LC/SC Simplex	0°C to 70°C	-40°C to 85°C
XFP-10G-BXD/U80-SO	1550/1490 nm	24 dB	LC/SC Simplex	0°C to 70°C	-40°C to 85°C



SFP25G

	Wavelength(s)/ Channel(s)	Powerbudget Db	Connector	Default Temperature	Maximum Temperature
SFP-25G-BXD/U20-SO	1330/1270 nm	8.3 dB	LC/SC Simplex	0°C to 70°C	-40°C to 85°C
SFP-25G-BXD/U40-SO	1330/1270 nm	17.5 db	LC/SC Simplex	0°C to 70°C	-40°C to 85°C



QSFP 100G

	Wavelength(s)/ Channel(s)	Powerbudget Db	Connector	Default Temperature	Maximum Temperature
QSFP-100G-BX-IR-LCAPC-SO	1270/1290/ 1310/1330 nm	3.5 dB	LCAPC Simplex	0°C to 70°C	0°C to 70°C
QSFP-100G-BX10-SO	1330nm/1270nm	6.3 dB	LC Simplex	0°C to 70°C	0°C to 70°C
QSFP-100G-BX20-SO	1330nm/1270nm	9.8 dB	LC Simplex	0°C to 70°C	0°C to 70°C
QSFP-100G-BX40-SO	1309.14/1304.58 nm	17.7 dB	LC Simplex	0°C to 70°C	0°C to 70°C

CWDM



SFP 1G	Wavelength(s)/ Channel(s)	Powerbudget Db	Connector	Default Temperature	Maximum Temperature
SFP-1G-CWDM-24dB-SO	1270 -1610 nm	24 dB	LC Duplex	-0°C to 70°C	-40°C to 85°C
SFP-1G-CWDM-32dB-SO	1270 -1610 nm	32 dB	LC Duplex	-0°C to 70°C	-40°C to 85°C
SFP-1G-CWDM-37dB-SO	1270 -1610 nm	37 dB	LC Duplex	-0°C to 70°C	-40°C to 85°C
SFP-1G-CWDM-41dB-SO	1270 -1610 nm	41 dB	LC Duplex	-0°C to 70°C	-40°C to 85°C



SFP 2.5G	Wavelength(s)/ Channel(s)	Powerbudget Db	Connector	Default Temperature	Maximum Temperature
SFP-2.5G-CWDM-24dB-SO	1270 -1610 nm	28 dB	LC Duplex	-0°C to 70°C	-40°C to 85°C
SFP-2.5G-CWDM-32dB-SO	1270 -1610 nm	32 dB	LC Duplex	-0°C to 70°C	-40°C to 85°C



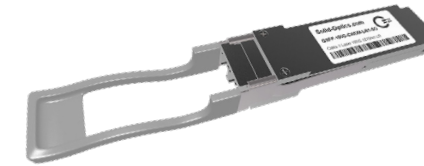
SFP+ 10G	Wavelength(s)/ Channel(s)	Powerbudget Db	Connector	Default Temperature	Maximum Temperature
SFP-10G-CWDM-LR-SO	1270 -1610 nm	10 dB	LC Duplex	-0°C to 70°C	-40°C to 85°C
SFP-10G-CWDM-ER-SO	1270 -1610 nm	15 dB	LC Duplex	-0°C to 70°C	-40°C to 85°C
SFP-10G-CWDM-ZR-SO	1270 -1610 nm	20 dB	LC Duplex	-0°C to 70°C	-40°C to 85°C
SFP-10G-CWDM-EZR-SO	1470 - 1550 nm	26 dB	LC Duplex	-0°C to 70°C	-40°C to 85°C



XFP 10G	Wavelength(s)/ Channel(s)	Powerbudget Db	Connector	Default Temperature	Maximum Temperature
SFP-10G-CWDM-LR-SO	1270 -1610 nm	10 dB	LC Duplex	-0°C to 70°C	-40°C to 85°C
SFP-10G-CWDM-ER-SO	1270 -1610 nm	15 dB	LC Duplex	-0°C to 70°C	-40°C to 85°C
SFP-10G-CWDM-ZR-SO	1270 -1610 nm	20 dB	LC Duplex	-0°C to 70°C	-40°C to 85°C



SFP 25G	Wavelength(s)/ Channel(s)	Powerbudget Db	Connector	Default Temperature	Maximum Temperature
SFP-25G-CWDM-LR-SO	1270-1570	7 dB	LC Duplex	-0°C to 70°C	-40°C to 85°C
SFP-25G-CWDM-ER-SO	1270-1370	20 dB	LC Duplex	-0°C to 70°C	-40°C to 85°C



QSFP 100G	Wavelength(s)/ Channel(s)	Powerbudget Db	Connector	Default Temperature	Maximum Temperature
QSFP-100G-CWDM-LR1-SO	1271-1331 nm	6.3 dB	LC Duplex	-0°C to 70°C	-0°C to 70°C



Fibre Channel 8G	Wavelength(s)/ Channel(s)	Powerbudget Db	Connector	Default Temperature	Maximum Temperature
SFP-8G-FC-CWDM-LR-SO	1270 -1610 nm	6.3 dB	LC Duplex	-0°C to 70°C	-40°C to 85°C
SFP-8G-FC-CWDM-ER-SO	1270 -1610 nm	15 dB	LC Duplex	-0°C to 70°C	-40°C to 85°C
SFP-8G-FC-CWDM-ZR-SO	1470 -1610 nm	24 dB	LC Duplex	-0°C to 70°C	-40°C to 85°C



Fibre Channel 16G	Wavelength(s)/ Channel(s)	Powerbudget Db	Connector	Default Temperature	Maximum Temperature
SFP-16G-FC-CWDM-LR-SO	1470-1610 nm	6.3 dB	LC Duplex	-0°C to 70°C	-0°C to 70°C
SFP-16G-FC-CWDM-ER-SO	1470-1610 nm	14 dB	LC Duplex	-0°C to 70°C	-0°C to 70°C



DWDM

SFP 1G 50/100Ghz	Wavelength(s)/ Channel(s)	Powerbudget Db	Connector	Default Temperature	Maximum Temperature
SFP-1G-DWDM-32dB-SO	100Ghz CH17-61	32 dB	LC Duplex	0°C to 70°C	-40°C to 85°C
SFP-1G-DWDM-37dB-SO	100Ghz CH17-61	37 dB	LC Duplex	0°C to 70°C	-40°C to 85°C
SFP-1G-5DWDM-32dB-SO	50Ghz CH17.5-CH65	32 dB	LC Duplex	0°C to 70°C	-40°C to 85°C
SFP-1G-5DWDM-37dB-SO	50Ghz CH17.5-CH65	37 dB	LC Duplex	0°C to 70°C	-40°C to 85°C



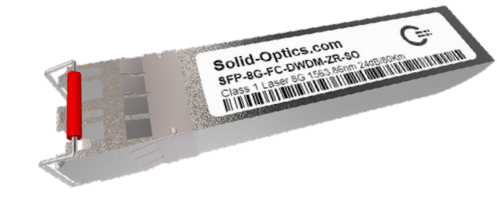
SFP 2.5G 100Ghz	Wavelength(s)/ Channel(s)	Powerbudget Db	Connector	Default Temperature	Maximum Temperature
SFP-2.5G-DWDM-32dB-SO	100Ghz CH17-61	30 dB	LC Duplex	0°C to 70°C	-40°C to 85°C
SFP-2.5G-DWDM-37dB-SO	100Ghz CH17-61	37 dB	LC Duplex	0°C to 70°C	-40°C to 85°C



SFP+ 10G 50/100Ghz	Wavelength(s)/ Channel(s)	Powerbudget Db	Connector	Default Temperature	Maximum Temperature
SFP-10G-DWDM-ER-SO	100Ghz CH17-61	15 dB	LC Duplex	0°C to 70°C	-40°C to 85°C
SFP-10G-DWDM-ZR-SO	100Ghz CH17-61	24 dB	LC Duplex	0°C to 70°C	-40°C to 85°C
SFP-10G-DWDM-EZR-SO	100Ghz CH17-61	26 dB	LC Duplex	0°C to 70°C	0°C to 70°C
SFP-10G-5DWDM-ER-SO	50Ghz CH17.5-CH65	15 dB	LC Duplex	0°C to 70°C	-40°C to 85°C
SFP-10G-5DWDM-ZR-SO	50Ghz CH17.5-CH65	24 dB	LC Duplex	0°C to 70°C	-40°C to 85°C



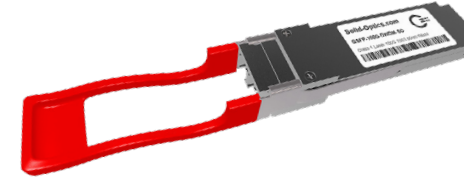
XFP 10G 100Ghz	Wavelength(s)/ Channel(s)	Powerbudget Db	Connector	Default Temperature	Maximum Temperature
XFP-10G-DWDM-ER-SO	100Ghz CH17-61	15 dB	LC Duplex	0°C to 70°C	-40°C to 85°C
XFP-10G-DWDM-ZR-SO	100Ghz CH17-61	24 dB	LC Duplex	0°C to 70°C	-40°C to 85°C



Fibre Channel 8G	Wavelength(s)/ Channel(s)	Powerbudget Db	Connector	Default Temperature	Maximum Temperature
SFP-8G-FC-DWDM-ER-SO	100Ghz CH17-61	15 dB	LC Duplex	0°C to 70°C	-40°C to 85°C
SFP-8G-FC-DWDM-ZR-SO	100Ghz CH17-61	24 dB	LC Duplex	0°C to 70°C	-40°C to 85°C



Fibre Channel 16G	Wavelength(s)/ Channel(s)	Powerbudget Db	Connector	Default Temperature	Maximum Temperature
SFP-16G-FC-DWDM-ER-SO	100Ghz CH17-61	14 dB	LC Duplex	0°C to 70°C	0°C to 70°C



QSFP 100G	Wavelength(s)/ Channel(s)	Powerbudget Db	Connector	Default Temperature	Maximum Temperature
QSFP-100G-DWDM-SO	100Ghz CH20-61	Require EDFA& DCM up to 80km	LC Duplex	0°C to 70°C	0°C to 70°C
QSFP-100G-DWDM-EZR1-SO	100Ghz CH20-61	Require EDFA& DCM up to 120km	LC Duplex	0°C to 70°C	0°C to 70°C

OWDM

QSFP 100G	Wavelength(s)/ Channel(s)	Powerbudget Db	Connector	Default Temperature	Maximum Temperature
QSFP-100G-OWDM-ER-SO	195.56 - 1309.14 nm	15.7 dB	LC Duplex	0°C to 70°C	0°C to 70°C

LWDM



SFP 25G	Wavelength(s)/ Channel(s)	Powerbudget Db	Connector	Default Temperature	Maximum Temperature
SFP-25G-LWDM-LR-SO	1273 -1309 nm	10 dB	LC Duplex	-0°C to 70°C	-40°C to 85°C
SFP-25G-LWDM-ER-SO	1273 -1309 nm	15 dB	LC Duplex	-0°C to 70°C	-40°C to 85°C

TUNABLES



SFP+ 10G

	Wavelength(s)/ Channel(s)	Powerbudget Db	Connector	Default Temperature	Maximum Temperature
SFP-10G-DWDM-TUN-ZR-SO	100 Ghz CH17-61/ 1528.38-1568.77 nm	24 dB	LC Duplex	-0°C to 70°C	-20°C to 85°C
SFP-10G-5DWDM-TUN-ZR-SO	50 Ghz CH17-61/ 1528.38-1568.77 nm	24 dB	LC Duplex	-0°C to 70°C	-20°C to 85°C
SFP-10G-DWDM-ATUN-ZR-SO	100 Ghz CH17-61/ 1528.38-1568.77 nm	24 dB	LC Duplex	-0°C to 70°C	-40°C to 85°C
SFP-10G-5DWDM-ATUN-ZR-SO	50 Ghz CH17-61/ 1528.38-1568.77 nm	24 dB	LC Duplex	-0°C to 70°C	-40°C to 85°C



XFP

	Wavelength(s)/ Channel(s)	Powerbudget Db	Connector	Default Temperature	Maximum Temperature
XFP-10G-DWDM-TUN-ZR-SO	100 Ghz CH17-61/ 1528.38-1568.77 nm	24 dB	LC Duplex	-0°C to 70°C	-40°C to 85°C



CFP DCO

	Wavelength(s)/ Channel(s)	Powerbudget Db	Connector	Default Temperature	Maximum Temperature
CFP-200G-TUN-DCO-EM-SO	50Ghz CH17.5-CH65	31/25/23 dB (depends on Modulation)	LC Duplex	-0°C to 70°C	-40°C to 85°C



CFP2 DCO

	Wavelength(s)/ Channel(s)	Powerbudget Db	Connector	Default Temperature	Maximum Temperature
CFP-200G-TUN-DCO-EM-SO	50Ghz CH17.5-CH65	31/25/23 dB (depends on Modulation)	LC Duplex	-0°C to 70°C	-40°C to 85°C

QSFP DD 400G

	Wavelength(s)/ Channel(s)	Powerbudget Db	Connector	Default Temperature	Maximum Temperature
QDD-400G-TUN-DCO-ZR-SO	75/100Ghz 1528.58 - 1567.34nm	Require EDFA up to 120km	LC Duplex	0°C to 70°C	0°C to 70°C
QDD-400G-TUN-DCO-ZR+-SO	75/100Ghz 1528.58 - 1567.34nm	Require EDFA up to 600km	LC Duplex	0°C to 70°C	0°C to 70°C

OSFP 400G

	Wavelength(s)/ Channel(s)	Powerbudget Db	Connector	Default Temperature	Maximum Temperature
OSFP-400G-TUN-DCO-ZR-SO	75/100Ghz 1528.58 - 1567.34nm	Require EDFA up to 120km	LC Duplex	0°C to 70°C	0°C to 70°C

MUX

STANDARD & CUSTOMIZED SOLUTIONS



MUX & OADM



CWDM MUX

- SO-CWDM-MUX-8CH+UPG+MON (1470-1610 nm)
- SO-CWDM-ULTRAMUX-8CH+UPG (1470-1610 nm)
- SO-CWDM-ULTRAMUX-18CH+MON (1270-1610 nm)

* Available as simplex, and/or with other casings, wavelengths/channels



CWDM OADM

- SO-CWDM-OADM1-(1270-1610nm)
- SO-CWDM-OADM2-(1270-1610nm)
- SO-CWDM-OADMX-(1270-1610nm)

* Available with up to 8 Channels or East Only



DWDM MUX

- SO-DWDM-MUX-CH28-35+UPG+1310W+MON
- SO-DWDM-MUX-CH20-35+UPG+1310W+MON
- SO-DWDM-MUX-40CH+1310W+MON
- SO-5DWDM-MUX-96CH

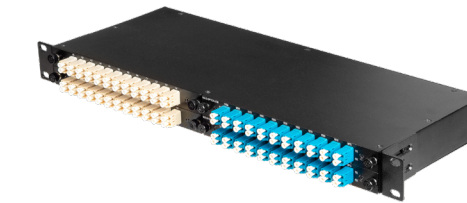
* Available as simplex, and/or with other casings, wavelengths/channels



DWDM OADM

- SO-DWDM-OADM1-(CH20-61)
- SO-DWDM-OADM2-(CH20-61)
- SO-DWDM-OADMX-(CH20-61)

* Available with up to 8 Channels or East Only



MOD4

- SO-CHASSIS-MOD4
- SO-MOD4-3xMPO/MMF(SM)-24xLC
- SO-MOD4-CWDM-MUX-8CH+UPG+1310W+MON
- SO-MOD4-DWDM-MUX-CH28-35+UPG+1310W+MON



LWDM

- SO-LWDM-MUX-9CH+MON (1273-1309 nm)

OWDM

- SO-OWDM-MUX-8CH+MON+UPG

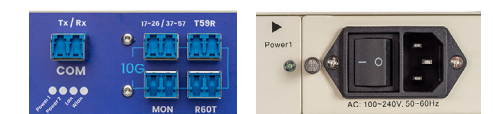
EDFAMUX

10G

- SO-DWDM-10X10G-EDFAMUX-140KM
- SO-DWDM-10X10G-EDFAMUX-200KM
- SO-DWDM-16X10G-EDFAMUX-140KM
- SO-DWDM-10X10G-EDFAMUX-SIMPLEX-80km
- SO-DWDM-10X10G-EDFAMUX-SIMPLEX-140km

100G

- SO-DWDM-8X100G-EDFAMUX-80KM
- SO-DWDM-8X100G-EDFAMUX-120KM
- SO-DWDM-16X100G-EDFAMUX-40KM
- SO-DWDM-16X100G-EDFAMUX-80KM
- SO-DWDM-8X100G-EDFAMUX-SIMPLEX-80km



EDFAMUX

EDFAMUX



ALL-IN-ONE SOLUTION

The Solid Optics EDFAMUX is an active multiplexer which combines three devices into one rack unit. Typically long distance projects would require a IRU standalone passive MUX, a IRU EDFA (amplifier) and a dispersion compensation unit. The Solid Optics EDFAMUX combines all three features inside of a IRU 19" casing, which requires less space and less patching.

100G EDFAMUX

8 x 100G up to 80km

8 x 100G up to 80km Simplex

8 x 100G up to 120km

16 x 100G up to 40km

16 x 100G up to 80km



QSFP28 DWDM



10G EDFAMUX

10 x 10G for 140km

16 x 10G for 140km

10 x 10G for 200km

10x10G 80km SIMPLEX

10x10G 140Km SIMPLEX



SFP 10G DWDM



STANDARD FEATURES

- 1% MONITOR PORT
- CONSOLE PORT
- DEFAULT LC/UPC WITH AUTO DUST SHUTTERS
- REDUNDANT AC POWER SUPPLIES (DC OPTIONAL)
- SNMP MONITORING
- SYSLOG MONITORING
- HTTP API ACCESS

100G EDFAMUX

PRODUCT FEATURES

- 8 x 100G from 5km up to 80km
- 8 x 100G from 5km up to 80km Simplex
- 8 x 100G from 50km up to 120km
- 16 x 100G from 5km up to 40km
- 16 x 100G from 40km up to 80km
- Active one rack unit device with default 2 x AC (100 - 240V), DC optional
- 8 x 100G versions available in channels:
 - CH20-27
 - CH36-43
 - CH28-35
 - CH44-51
- 16 x 100G versions available in channels:
 - CH20-35
 - CH43-58



SIMPLEX SOLUTIONS

- 8 x 100G 80km CH29-36  8 x 100G 80km CH42-49

8 X 100G 80KM CHASSIS COMES WITH:

- EXTENSION PORT WHICH ALLOWS YOU TO:
 - Expand with an additional 10G MUX with max 30 DWDM Channels
 - Or add an additional EDFAMUX to cascade up to 16 additional 100G Channels
- 2 X 1G/10G PORTS

10G EDFAMUX

PRODUCT FEATURES

- 0 x 10G from 80km up to 140km
- 16 x 10G from 80km up to 140km
- 10 x 10G from 140km up to 200km
- Active one rack unit device with default 2 x AC (100-240V), DC optional



SIMPLEX SOLUTIONS

- 10 x 10G 80km CH28-37  10 x 10G 80km CH42-51
- 10 x 10G 140km CH28-37  10 x 10G 140km CH42-51

• TOOLS



SPECTRUM ANALYZER

- SO-OSA-CWDM-18CH
- SO-OSA-DWDM-48CH
- SO-OSA-DWDM-96CH-50GHZ
- SO-OPTICAL-POWER-METER

MEDIA CONVERTER

- MEDIA CONVERTER-RJ45-SFP(100Mbit)
- MEDIA CONVERTER-RJ45-SFP(GIG)-MTU9600
- MEDIA CONVERTER-SFP-SFP(GIG)-MTU9600

FIBER MAINTENANCE

- ONE-CLICK-CLEANER-LC
- ONE-CLICK-CLEANER-SC
- ONE-CLICK-CLEANER-MPO
- CLEANING-KIT-FIBER-TIPS

MULTI-FIBER-TOOL 3

The Solid Optics Multi-Fiber-Tool was created by our engineering team to give network professionals increased flexibility on-site. The Multi-Fiber-Tool is used to recode our optics between brands, retune our DWDM tunable optics, and can be used to analyze and fix issues related to the coding of optics in the field – all of which saves our customers valuable time and money.

- ROBUST AND SLIM DESIGN, PORTABLE AND HANDHELD
- NO BATTERY NEEDED
- PLUG & PLAY
- COMPATIBLE WITH ANDROID, MAC, WINDOWS AND LINUX



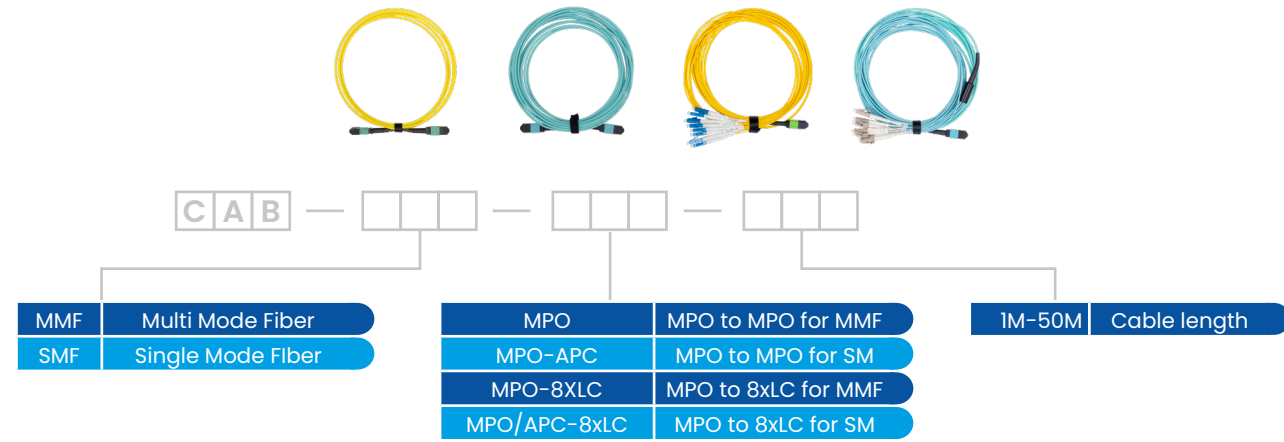
CABLES



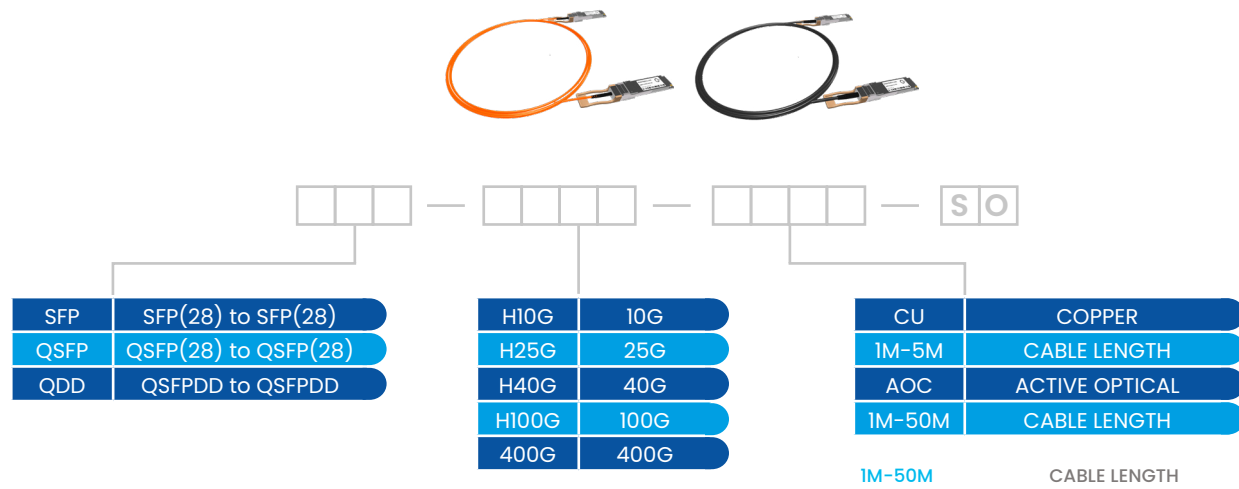
AOC & DAC

NOTES

MPO PATCH CABLES



DIRECT ATTACH CABLES



BREAK OUT CABLES

