



DWDM SFP

KEY FEATURES AND BENEFITS

Take your network farther with Champion ONE's SFP DWDM components, which offer direct replacement for OEM optics. This allows the use of fiber-conserving WDM solutions in standard switches and routers, eliminating the need for a separate optical transport device. Our DWDM SFPs are available in 40 standard ITU DWDM channels (channels 20-61[1528.77-1561.42 nm]). Champion ONE DWDM SFPs are multi-rate, capable of supporting data rates from 155Mbps (SONET OC-3) through 2.488Gbps (SONET OC-48), as well as 622Mbps (SONET OC-12), Gigabit Ethernet, and 1G and 2G Fibre Channel as well. DWDM SFP transceivers also feature digital diagnostics, also known as digital optical monitoring (DOM), which is supported by the majority of switch and router OEMs in their operating system software.

TECHNICAL SPECIFICATIONS

STANDARDS AND REGULATORY COMPLIANCE

RoHS compliant
IEEE Std 802.3 (Gigabit Ethernet 802.3z,802.3ah, FastE 802.3u)
Fibre Channel Draft Physical Interface Specification FC-PI-2
Compliant with SONET/SDH optical standards
SFP DWDM MSA (multi-source agreement)

PROTOCOLS AND DATA RATES

Fast Ethernet (125Mbps)
SONET OC-3 (155Mbps)
SONET OC-12 (622Mbps)
Gigabit Ethernet (1.25Gbps)
1G and 2G Fibre Channel
SONET OC-48 (2.488Gbps)

CONNECTOR

Duplex LC connector

WARRANTY

All feature a limited 5-year warranty

NOTES

Available in standard and 'hardened' temperature (-40 to 85C)

C1 PN	Transmit Wavelength (nm)	Fiber Type	Rated Distance (km)	Temp Range (°C)	Hardened Option Available ¹	Description	Output Power (min/max) (dBm)	Receiver Sensitivity (dBm)	Max. Input Power (dBm)
Multi-rate capable² (SONET OC-48/OC-12/OC-3, 1G and 2G Fibre Channel, Gigabit and Fast Ethernet³)									
MR-SFPxx00DWDWM80	1528.77 (ch. 61) to 1561.42 (ch. 20)	SMF	80	-5 to 70	No	Multi-rate DWDM SFP channel xx (ITU channel), 80km rated	0 to 4	-28	-9
MR-SFPxx00DWDWM80R2	1528.77 (ch. 61) to 1561.42 (ch. 20)	SMF	80	-5 to 75	Yes	Multi-rate DWDM SFP channel xx (ITU ch.), 80km rated Rev. 2	0 to 7	-29	-8
MR-SFPxx00DWDWM120R2	1528.77 (ch. 61) to 1561.42 (ch. 20)	SMF	120	-5 to 75	Yes	Multi-rate DWDM SFP channel xx (ITU ch.), 120km rated Rev. 2	4 to 7	-29	-8

Notes:

1. Hardened Option - operating temperature range is -40 to +85°C (-40 to +185°F). Optical specifications are the same. Part number has a "H" suffix. Example: MR-SFP3200DWDWM80R2-H
2. Multi-rate transceivers will not operate in all platforms at all data rates listed. Contact your account representative for platform-specific questions.
3. Fast Ethernet Compatible. Tested to Bellcore GR-253 and ITU-T G.957 Specifications for SONET OC-3/SDH STM-1 applications.

Supported Wavelengths/Channels	Wavelength	ITU Channel	Wavelength	ITU Channel	Wavelength	ITU Channel	Wavelength	ITU Channel
	1561.42	20	1552.52	31	1543.73	42	1535.04	53
	1560.61	21	1551.72	32	1542.94	43	1534.25	54
	1559.79	22	1550.92	33	1542.14	44	1533.47	55
	1558.98	23	1550.12	34	1541.35	45	1532.68	56
	1558.17	24	1549.32	35	1540.56	46	1531.90	57
	1557.36	25	1548.51	36	1539.77	47	1531.12	58
	1556.55	26	1547.72	37	1538.98	48	1530.33	59
	1555.75	27	1546.92	38	1538.19	49	1529.55	60
	1554.94	28	1546.12	39	1537.40	50	1528.77	61
1554.13	29	1545.32	40	1536.61	51			
1553.33	30	1544.53	41	1535.82	52			

SERVICE AND SUPPORT

Running a network or selling network services and products can be a highly competitive endeavor. To help differentiate your business and enable you to provide more cost effective infrastructure, you require a partner that provides competitive pricing and vertical market expertise. At Champion ONE we understand your needs. We leverage our skills and relationships to:

- Provide network design services and help you explore alternative network designs you may not have considered
- Provide technical and sales support when you need it
- Accept orders for same day shipment up to 5:00 PM EST
- Offer some of the longest warranties in the industry
- Offer a 30-day return policy
- Build a long- term supplier partnership with you

You can rely on Champion ONE, not only for the highest levels of availability for the products you need, but the technical support, customer service and cost consideration you deserve. Our goal is your complete satisfaction.

GLOBAL HEADQUARTERS

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