

PASSPORT DATA SHEET

DWDM SFP



Champion ONE's SFP DWDM transceivers offer direct compatibility with existing switches and routers. These optics can be used as part of a passive DWDM solution (channels 20-61, 100GHz spacing) that enables network operators to cost-effectively expand their fiber capacity.

*Champion ONE **Passport** transceivers are programmed for universal compatibility across multiple OEM platforms. This open methodology reduces costs and unlocks operational simplicity by reducing sparing costs.*

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)/OC-12 (622Mbps)/OC-48 (2.488Gbps)
 Gigabit Ethernet (1.25Gbps)
 1G and 2G Fibre Channel

DIMENSIONS

8.5 x 13.4 x 56.5 mm ; 75 g

CONNECTOR

Duplex LC connector

WARRANTY

All feature a limited 5-year warranty

NOTES

Most parts available in standard and 'hardened' temperature (-40 to 85°C)

C1 Part Number	Wavelength (nm)	Fiber Type	Rated Distance (km)	Temp Range (°C)	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 ETHERNET¹)								
MR-SFPxx00DWDM80R2(-H)	1528.77 (xx=ch. 61) to 1561.42 (xx=ch. 20)	SMF	80	-5 to 75 (-40 to 85)	Multi-rate DWDM SFP channel xx (ITU ch.), 80km rated Rev. 2 (Temperature Hardened)	0 to 7	-29	-8
MR-SFPxx00DWDM120R2(-H)	1528.77 (xx=ch. 61) to 1561.42 (xx=ch. 20)	SMF	120	-5 to 75 (-40 to 85)	Multi-rate DWDM SFP channel xx (ITU ch.), 120km rated Rev. 2 (Temperature Hardened)	4 to 7	-29	-8

1. 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	Frequency (THz)	Center Wavelength (nm)	ITU Channel	Supported Wavelengths/Channels	Frequency (THz)	Center Wavelength (nm)	ITU Channel	Supported Wavelengths/Channels	Frequency (THz)	Center Wavelength (nm)	ITU Channel	Supported Wavelengths/Channels	Frequency (THz)	Center Wavelength (nm)	ITU Channel
	191.10	1568.77	11		192.40	1558.17	24		193.70	1547.72	37		194.95	1537.79	49.5
	191.15	1568.36	11.5		192.45	1557.77	24.5		193.75	1547.32	37.5		195.00	1537.40	50
	191.20	1597.95	12		192.50	1557.36	25		193.80	1546.92	38		195.05	1537.00	50.5
	191.25	1567.54	12.5		192.55	1556.96	25.5		193.85	1546.52	38.5		195.10	1536.61	51
	191.30	1567.13	13		192.60	1556.55	26		193.90	1546.12	39		195.15	1536.22	51.5
	191.35	1566.72	13.5		192.65	1556.15	26.5		193.95	1545.72	39.5		195.20	1535.82	52
	191.40	1566.31	14		192.70	1555.75	27		194.00	1545.32	40		195.25	1535.43	52.5
	191.45	1565.90	14.5		192.75	1555.34	27.5		194.05	1544.92	40.5		195.30	1535.04	53
	191.50	1565.50	15		192.80	1554.94	28		194.10	1544.53	41		195.35	1534.64	53.5
	191.55	1565.09	15.5		192.85	1554.54	28.5		194.15	1544.13	41.5		195.40	1534.25	54
	191.60	1564.68	16		192.90	1554.13	29		194.20	1543.73	42		195.45	1533.86	54.5
	191.65	1564.27	16.5		192.95	1553.73	29.5		194.25	1543.33	42.5		195.50	1533.47	55
	191.70	1563.86	17		193.00	1553.33	30		194.30	1542.94	43		195.55	1533.07	55.5
	191.75	1563.45	17.5		193.05	1552.93	30.5		194.35	1542.54	43.5		195.60	1532.68	56
	191.80	1563.05	18		193.10	1552.52	31		194.40	1542.14	44		195.65	1532.29	56.5
191.85	1562.64	18.5	193.15	1552.12	31.5	194.45	1541.75	44.5	195.70	1531.90	57				
191.90	1562.23	19	193.20	1551.72	32	194.50	1541.35	45	195.75	1531.51	57.5				
191.95	1561.83	19.5	193.25	1551.32	32.5	194.55	1540.95	45.5	195.80	1531.12	58				
192.00	1561.42	20	193.30	1550.92	33	194.60	1540.56	46	195.85	1530.72	58.5				
192.05	1561.01	20.5	193.35	1550.52	33.5	194.65	1540.16	46.5	195.90	1530.33	59				
192.10	1560.61	21	193.40	1550.12	34	194.70	1539.77	47	196.95	1529.94	59.5				
192.15	1560.20	21.5	193.45	1549.72	34.5	194.75	1539.37	47.5	196.00	1529.55	60				
192.20	1559.79	22	193.50	1549.32	35	194.80	1538.98	48	196.05	1529.16	60.5				
192.25	1559.39	22.5	193.55	1548.91	35.5	194.85	1538.58	48.5	196.10	1528.77	61				
192.30	1558.98	23	193.60	1548.51	36	194.90	1538.19	49	196.15	1528.38	61.5				
192.35	1558.58	23.5	193.65	1548.11	36.5										