

## SUREPORT DATA SHEET

# Cisco-Compatible 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 Sureport transceivers are programmed for one-to-one compatibility with your existing OEM platforms.*

## 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)  
 UL/CSA Class 3862.07 / 3862.87

### 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

C1 Part Number	Wavelength (nm)	Fiber Type	Rated Distance (km)	Temp Range (°C)	Description	Tx (min/max) (dBm)	Rx (min/max) (dBm)	Substitute for Cisco® part #s
<b>MULTI-RATE CAPABLE* (SONET OC-48/OC-12/OC-3, 1G AND 2G FIBRE CHANNEL, GIGABIT AND FAST ETHERNET<sup>1</sup>)</b>								
GES-Dxx-80-CSC	1528.77 (xx=ch. 61) to 1561.42 (xx=ch. 20)	SMF	80	0 to 70	SFP 1000BASE-ZX DWDM CHxx 80km, multi-rate, Cisco Systems compatible	0.0 / 4/0	-28.0	DWDM-SFP-xxxx
GES-Dxx-120-CSC	1528.77 (xx=ch. 61) to 1561.42 (xx=ch. 20)	SMF	120	0 to 70	SFP 1000BASE-ZX DWDM CHxx 120km, multi-rate, Cisco Systems compatible	0.0 / 5.0	-29.0	DWDM-SFP-xxxx

1. Fast Ethernet Compatible. Tested to Bellcore GR-253 and ITU-T G.957 Specifications for SONET OC-3/SDH STM-1 application

\* Parts are intended as one-to-one replacements. Please verify that the OEM part number is compatible with your system before ordering. If you have questions regarding specific switches and routers, please contact your Champion ONE sales representative for support. In most cases, a customized solution can be developed to meet your needs.

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										