

Base Part Number

X2-DWDM-80

Product Features

- Form Factor X2
- Speed 10.3Gbps
- Distance 80km
- Operating Temperature Commercial: 0°C to +70°C
- Connector Type Duplex SC
- Fiber Type SMF



Brand Compatibility

Applications

- 80km 10G DWDM Network

OEM Equivalent Part Number

Key Specifications

Part Type	Max Data Rate	Fiber Type	Transmitter	Output Power	Receiver Sensitivity	Power Supply	Power Dissipation	DDM
X2-DWDM-80	10.3Gbps	SMF	1528.77nm - 1563.86nm EML	0 to 5dBm	-24dBm	3.3V	< 4W	Yes

* See page 2 for full DWDM ITU Channel list.

Compliance

X2 MSA, RoHS

Qualifications and Testing

- **Manufacturer:** OEM equivalent part; designed, tested, fabricated to supplier specifications following ISO certified processes. RoHS compliant & class 1 laser certified.
- **Supplier:** 100% compatibility tested in the listed brands.
- **Order:** All parts are tested for traffic functionality per supported layer 2/3 protocol, DOM/DDM threshold and calibration, EEPROM MSA value verification, serial number verification & optical cleanliness.

Warranty

- Lifetime replacement warranty

DWDM ITU Channel List

Channel Number	Wavelength	Frequency THz	Channel Number	Wavelength	Frequency THz
1	1577.03nm	190.1	37	1547.72nm	193.7
2	1576.20nm	190.2	38	1546.92nm	193.8
3	1575.37nm	190.3	39	1546.12nm	193.9
4	1574.54nm	190.4	40	1545.32nm	194.0
5	1573.71nm	190.5	41	1544.53nm	194.1
6	1572.89nm	190.6	42	1543.73nm	194.2
7	1572.06nm	190.7	43	1542.94nm	194.3
8	1571.24nm	190.8	44	1542.14nm	194.4
9	1570.42nm	190.9	45	1541.35nm	194.5
10	1569.59nm	191.0	46	1540.56nm	194.6
11	1568.67nm	191.1	47	1539.77nm	194.7
12	1567.95nm	191.2	48	1538.98nm	194.8
13	1567.13nm	191.3	49	1538.19nm	194.9
14	1566.31nm	191.4	50	1537.40nm	195.0
15	1565.50nm	191.5	51	1536.61nm	195.1
16	1564.68nm	191.6	52	1535.82nm	195.2
17	1563.86nm	191.7	53	1535.04nm	195.3
18	1563.05nm	191.8	54	1534.25nm	195.4
19	1562.23nm	191.9	55	1533.47nm	195.5
20	1561.42nm	192.0	56	1532.68nm	195.6
21	1560.61nm	192.1	57	1531.90nm	195.7
22	1559.79nm	192.2	58	1531.12nm	195.8
23	1558.98nm	192.3	59	1530.33nm	195.9
24	1558.17nm	192.4	60	1529.55nm	196.0
25	1557.36nm	192.5	61	1528.77nm	196.1
26	1556.55nm	192.6	62	1527.99nm	196.2
27	1555.75nm	192.7	63	1527.22nm	196.3
28	1554.94nm	192.8	64	1526.44nm	196.4
29	1554.13nm	192.9	65	1525.66nm	196.5
30	1553.33nm	193.0	66	1524.89nm	196.6
31	1552.52nm	193.1	67	1524.11nm	196.7
32	1551.72nm	193.2	68	1523.34nm	196.8
33	1550.92nm	193.3	69	1522.56nm	196.9
34	1550.12nm	193.4	70	1521.79nm	197.0
35	1549.32nm	193.5	71	1521.02nm	197.1
36	1548.51nm	193.6	72	1520.25nm	197.2