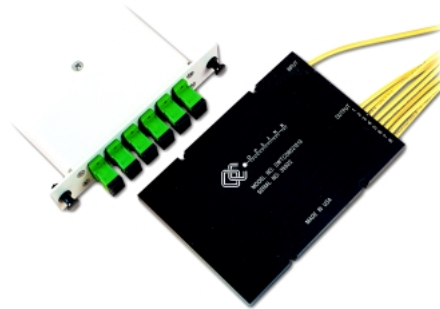




NxM Dual Window Single Mode Wideband Tree/Star Coupler

DWTC Series (NxM)



Oplink single-mode tree and star couplers are high port count bi-directional products with excellent performance over a wide bandwidth at a specified operation wavelength. All devices are tested according to industry standard test procedures and are supplied with all pertinent measurement data.

Features

- Best Uniformity
- Ultra Low Insertion Loss
- High Directivity
- Highly Stable & Reliable

Applications

- Telecommunications
- CATV fiberoptic Links
- Fiber Amplifier System
- Fiberoptic Instruments

Performance Specifications (Based on equal splitting)

DWTC Series (NxM)	Nx4	Nx5	Nx6	Nx8	Nx16	Nx32	Nx40
Standard Configurations	N=1,2,4	N=1	N=1,2	N=1,2,8	N=1,2,16	N=1,2	N=1,2
Grade	A / B	A/B	A/B	A/B	A/B	A/B	A/B
Operating Wavelength	1310±40 and 1550±40						
Operating Temperature (°C)	-40 to +70						
Storage Temperature (°C)	-40 to +85						
Maximum Insertion Loss (dB)	7.2/7.6	8.5/9.0	9.2/9.6	9.3/10.0	14.5/15.5	18.5/19.5	20.0/21.0
Max Uniformity (dB)	1.2/1.6	1.4/1.8	1.6/2.0	2.0/2.5	2.5/3.5	3.5/4.0	3.8/4.2
Polarization Sensitivity (dB)	0.3	0.3	0.4	0.5	0.6	0.8	0.8
Temperature Sensitivity (dB/°C)	0.003	0.003	0.003	0.004	0.005	0.006	0.007
Directivity (dB)	≥ 55						
Package Dimension (mm)	P1	P1	P2	P2	P3*	P4	P4

P1: (L)100x(W)80x(H)7 P2:(L)130x(W)90x(H)9 P3:(L)160x(W)110x(H)11 P4: (L)120x(W)120x(H)20

* except for 16x16 which uses P4 package

Values are referenced without connector loss.

Ordering Information

