SINGLE WINDOW, SINGLE MODE WINDBAND TREE/STAR COUPLER (NXM)

SWTC Series

Product Description

Oplink's single window, single mode wideband tree and star couplers are high port count bi-directional products with excellent performance over a wide bandwidth. They have very good uniformity, low excess loss and very low polarization sensitivity. All devices are tested according to industry standard test procedures and are supplied with all pertinent measurement data.

Oplink can provide customized designs to meet specialized feature applications. Also, Oplink offers modular assemblies that integrate other components to form a full function module or subsystem.

Features

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

Applications

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



SWTC Series (NxM)	Nx4	Nx5	Nx6	Nx8	Nx16	Nx32	Nx40	Unit		
Standard Configuration	N=1,2,4	N=1	N=1,2	N=1,2,8	N=1,2,16	N=1,2	N=1,2			
Grade	P/A	P/A	P/A	P/A	P/A	P/A	P/A			
	1310 ni	n	C Band		L Band	C+L Band				
Operating Wavelength Range	1270~13	50	1528~1565		1570~1650	N=1,2 P/A C+L Ban 1528~16 17.5/18.5 1 2.5/3.5 <0.8 × 110.0 (w) x 11.0 (H	8~1610	nm		
Insertion Loss (Max) [1]	6.7/7.4	8.3/8.7	9.2/9.6	10.2/11.2	13.5/14.5	17.5/18.5	18.8/20.0	dB		
Uniformity (Max)	0.8/1.0	1.0/1.2	1.2/1.4	1.2/1.8	1.5/2.0	2.5/3.5	2.8/3.5	dB		
Polarization Dependent Loss	<0.3	<0.3	<0.4	<0.5	<0.6	<0.8	<0.8	dB		
Directivity				> 55				dB		
Maximum Power Handling				500				mW		
Operating Temperature				0 to +70				°C		
Storage Temperature				-40 to +85						
	Refer packaging choices table									
Package Dimension [2]	P1:1	00.0 (L) x 80.0	(w) x 7.0(H)	P3 : 160.0 (L) x 110.0 (w) x 11.0 (H)						
	P2:1	30.0 (L) x 90.0	(w) x 9.0 (H)		P4:210.0 (L)) x 160.0 (w) x 13.0 (H)				

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[1] nectors. [2] The mechanical tolerance should be +/-0.2 mm on all package dimensions unless otherwise custom specified.

Packaging Choices Table

SWTC (NxM)	Nx4	Nx5	Nx6	1x8	2x8	8x8	1x16	2x16	16x16	1x32	2x32	1x40	2x40
Packaging Choices	P1	P1	P1, P2	P1, P2	P1, P2	P2	Р3	Р3	P4	P4	P4	P4	P4





P1

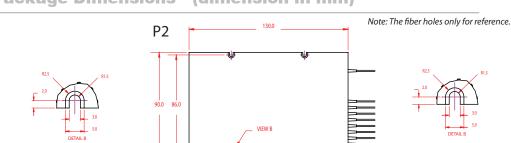
80.0 76.0

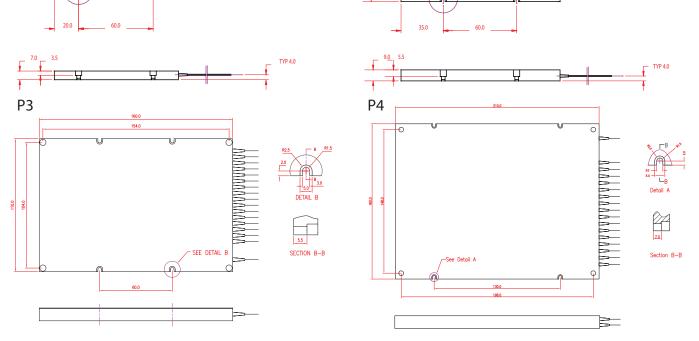
100.0

VIEW B

SWTC SERIES







Ordering Information

Oplink can provide a remarkable range of customized optical solutions. For detail, please contact Oplink's OEM design team or account manager for your requirements and ordering information (510) 933-7200.

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SWTC		00]		
Wavelength	Туре	Grade	Package Type [4]	Fiber Length [3]	Connector		
3 = 1310 nm	14 = 1x4	P = P grade	1 = P1	H = 0.5 meter	Туре		
5 = C band	15 = 1x5	A = A grade	2 = P2	1 = 1.0 meter	1 = None		
6 = L band	16 = 1x6	2	3 = P3	5 = 1.5 meter	2 = FC/PC		
1 = C + L band	18 = 1x8		4 = P4	2 = 2.0 meter	3 = FC/SPC		
	1A = 1x16				4 = FC/APC		
	1B = 1x32				5 = SC/PC		
	1C = 1x40				6 = SC/SPC		
	24 = 2x4		Fiber	Туре	7 = SC/APC		
	26 = 2x6			F-28 with 900µm	8 = ST		
	28 = 2x8			se tube	9 = LC/UPC		
	2A = 2x16		3 = SMF-28 with 3mm cable				
	2B = 2x32				A = MU B = LC/APC		
	2C = 2x40						
	44 = 4x4						
	88 = 8x8		ngth is +/-0.1m. 1 meter is standard. Th	e lead time for special fiber ler	igth will be longer.		
	AA = 16x16	[4] Refer package table for	packaging choices		S0171. R03. 20101112		
					SUI/1. RUS. 20101112		