



SM Tree and Star Couplers

Description

The Singlemode Optic-fiber Tree and Star Couplers can couple the optical signals in the coupling area, and then re-distribute the light power. The key parameters include operating wavelength, bandwidth, and excess loss, coupling ratio, PDL and so on.

Features

- ✧ Low Insertion Loss
- ✧ Uniform Power Splitting
- ✧ Excellent Environmental & Mechanical Stability

Applications

- ✧ Long-Haul Telecommunications
- ✧ Digital, Hybrid and AM-Video Systems CATV Systems
- ✧ High Speed Local Area Networks
- ✧ Fiber Sensors

Performance Specifications

Singlemode Single Window Wideband Tree/Star Couplers				
Port Configuration	1X4(2X4)	1X8(2X8)	1X16(2X16)	1X32(2X32)

SM Tree and Star Couplers 1X2

Max.Insertion Loss (dB)	6.9	10.3	13.8	17.2
Uniformity(Max.) (dB)	0.7	1.5	1.8	2.2
Operating Wavelength (nm)	1310±40,1550±40,1585±40,or custom wavelength			

Singlemode Dual/Three Window Tree/Star Couplers				
Port Configuration	1X4(2X4)	1X8(2X8)	1X16(2X16)	1X32(2X32)
Max.Insertion Loss (dB)	7.2	10.8	14.4	17.8
Uniformity(Max.) (dB)	0.8	1.7	2.0	2.5
Operating Wavelength (nm)	1310/1550±40, 1310/1490/1550±40 or Custom wavelength			

*The Spec. is for 1XN Coupler only.

1.Order Information

FBT-Type-Port-Wavelength-Coupling Ratio-Fiber Type-Package-Pigtail Type-Pigtail Length-ConnectorType

Type	S=Coupler A=In-Line Attenuator W=WDM
Port	0101=1x1, 0102=1x2, ..., 0404=4x4, ..., 0132=1x32, 0232=2x32
Wavelength	98=980, 13=1310, 14=1490, 15=1550 1314=1310&1490, 1315=1310&&1550, 345=1310&1490&1550 85=850, 9815=980&1550, 8513=850&1310
Coupling Ratio (Attenuation or Stage)	01=1/99 or 1dB or 1 Stage, 02=2/98 or 2dB or 2 Stage, 03=3/97 or 3dB or 3 Stage, 05=5/95 or 1dB, 10=10/90 or 10dB, 15=15/85 45=45/55 00=equal ratio, X=Others
Fiber Type	1=G652D, 2=G657A, 5=50/125, 6=62.5/125, X=Others
Package Dimension	B1, B2, ..., F, K
Pigtail Type	B=250μm Bare fiber, L=900μm Loose tube, S=2.0mm, R=3.0mm, 0=Adapter
Pigtail Length	05--20=0.5--2.0m, 0=Adapter, X=Others
Connector Type	FU=FC/UPC, FA=FC/APC, SU=SC/UPC, SA=SC/APC, ST=ST/UPC, LU=LC/UPC, LA=LC/APC, 00=None, X=Others

2.Packaging Information

Pigtail Type	1x1	1x2	2x2	<=9 Ports	<=18 Ports	<=34 Ports
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Bare Fiber	/	B1	B1	/		
Φ0.9	B2	B2	B5	/		
Φ2.0	B4/D	D	D	E	K	F
Φ3.0						
Rack Mount	XU/XG					

3.Package Dimensions (mm)

B1	Φ3x50 steel tube	X	Custom Specifies
B2	Φ3x54 steel tube	E	100x80x10 plastic case
B3	Φ3.5x54 steel tube	F	141x115x18 plastic case
B4	Φ5x70 steel tube	K	120x80x18 plastic case
B5	Φ3x60 steel tube	XU	19" x=1,2,3,4 U Rack Mount
D	90x20x9.5 plastic case	XG	X=1,2,3,4 U LGX box