

Single Mode Tree/Star Couplers

Features

Low Excess Loss
 High Return Loss
 Various Coupling Ratio
 Compact Size

Applications

Long-haul Telecommunications
 CATV Systems & Fiberoptic Sensors
 LAN System

Specifications

Parameter	Value
Operating Wavelength (nm)	980,1310,1480 or 1550nm
Fiber Type	Corning Singlemode SMF-28 or Flexcore
Fiber Pigtail Length (m)	1M or Customer Request.
Operating Temperature (oC)	-40oC~+85oC
Storage Temperature (oC)	-40oC~+85oC
Port Configuration	1x4 to 32x32

Single Mode Standard Tree/Star Couplers

Parameter	Single Mode Standard Tree/Star Couplers			
Configuration Type	1x3	1x8(8x8)	1x16(16x16)	1x32(32x32)
Max. Insertion Loss (dB)	6.9	10.5	14	17.5
Uniformity (Max.) (dB)	0.9	1.30	1.8	2.50
Operating Wavelength (nm)	1310±20nm or 1550±20nm			

Single Mode Single Window Tree/Star Couplers

Parameter	Single Mode Single Window Tree/Star Couplers			
Configuration Type	1x4(4x4)	1x8(8x8)	1x16(16x16)	1x32(32x32)
Max. Insertion Loss (dB)	7.2	10.8	14.5	18
Uniformity (Max.) (dB)	1.2	1.80	2.4	3
Operating Wavelength (nm)	1310±40nm or 1550±40nm			

Single Mode Dual Window Tree/Star Couplers

Parameter	Single Mode Dual Window Tree/Star Couplers			
Configuration Type	1x4(4x4)	1x8(8x8)	1x16(16x16)	1x32(32x32)
Max. Insertion Loss (dB)	7.6(7.2)**	11.5(10.8)**	15.5(14.5)**	19.5(18.5)**
Uniformity (Max.) (dB)	1.7(1.4)**	2.6(2.1)**	3.5(2.8)**	4.3(3.5)**
Operating Wavelength (nm)	1310/1550±40nm or (**1310/1550±20nm)			

Ordering Information

CP	Type	Grade	Wavelength	Coupler Ratio	Port	Package	Fiber Type	Connector
	S =Standard Coupler W=Wide Band Coupler D=Dual Window	P A	10=1060nm 13=1310nm 14=1480nm 15=1550nm 16=1585nm 83=830nm 85=850nm 98=980nm 35=1310/1550nm 36=1310/1585nm xx=others	50=50/50 30=30/70 20=20/80 05=5/95 01=1/99 AV=Tree Coupler	0102=1x2 0202=2x2 0103=1x3 0303=3x3 0104=1x4 0116=1x16 1616=16x16 3232=32x32	C case D case E case S case	1=250um Bare Fiber 2= 900um loose tube 3=3mm Cable X=others	NE=None FA=FC/APC FC=FC/PC SA=SC/APC SC=SC/PC ST=ST/PC LA=LC/APC LC=LC/PC XX=others

Package Dimensions

Package C Case:

8.5mm x 14mm x 98mm case

Package D Case:

11.6mm x 80mm x 102mm

Package E Case:

14.5mm x 95.5mm x 142mm

Package S Case:

9.2mm x 50.88mm x 88.9mm