

Singlemode Tree and Star Couplers

Features

- Low excess loss
- Uniform power splitting
- Rugged package
- 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

Directivity (dB)	>55 dB
Operating Temperature	-40 ° C - 85 ° C
Storage Temperature	-40 ° C - 85 ° C
Fiber Type	Corning Singlemode SMF-28 , DS Fiber, or Flexcore
Fiber Pigtail Length (m)	1m or Custom on Request
Port Configuration	1x4 to 32x32

Singlemode Standard Tree/Star Couplers

Configuration Type	1x 4(4x4)	1x8 (8x8)	1x16 (16x16)	1x32 (32x32)
Maximum insertion loss (dB)	6.8	10.2	13.6	17.5
Uniformity (Max.) (dB)	0.7	1.0	1.2	1.4
Polarization Dependant Loss (Max.) (dB)	0.15	0.20	0.25	0.30
Operating Wavelength (nm)	850, 980, 1310, 1550, 1585, or custom wavelength			
Package Dimension	D,S	D,S	E	E

Singlemode Single Window Wideband Tree/Star Couplers

Configuration Type	1x4 (4x4)	1x8 (8x8)	1x16 (16x16)	1x32 (32x32)
Maximum Insertion loss (dB)	6.8	10.2	13.6	17.5
Uniformity (Max.) (dB)	0.8	1.2	1.6	2.0
Polarization Dependant Loss (Max.) (dB)	0.15	0.20	0.25	0.30
Operating Wavelength (nm)	1310 ±40, 1550 ±40, 1585±40, or custom wavelength			
Package Dimension	D,S	D,S	E	E

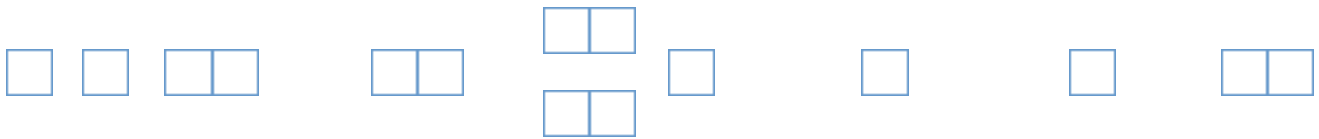
Singlemode Dual Window Tree/Star Couplers

Configuration Type	1x4 (4x4)	1x8 (8x8)	1x16 (16x16)	1x32 (32x32)
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Maximum Insertion Loss (dB)	7.6 (7.2)**	11.5 (10.8)**	15.5 (14.5)**	19.5 (18.5)**
Uniformity (Max.) (dB)	1.6 (1.4)**	2.5 (2.1)**	3.4(2.8)**	4.1 (3.5)**
Poralization Dependant Loss (Max.) (dB)	0.15	0.20	0.30	0.50
Operating Wavelength (nm)	1310/1550 ± 40, (**1310/1550 ± 20), or custom wavelength			
Package Dimension	D,S	D,S	E	E

The Spec is for 1xN Coupler only.

Ordering Information



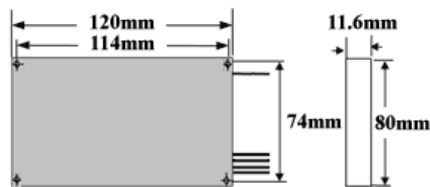
Type	Grade	Wavelength	Coupling Ratio (dB)	Port	Package	Pigtail Style	Fiber Type	In/Out Connector
S	P	85=850nm	AV = Tree	0104=1x4	D=Package D	1=Bare Fiber	0=SMF-28	0=None
W	A	98=980nm	Coupler	•	E=Package E	2=900µm Jacket	1=Corning	1=FC/APC
		13=1310nm		•	S=Package S	3=3mm Cable	Flexcore	2=FC/PC
		15=1550nm		0116=1x16			D=DS Fiber	3=SC/APC
		16=1585nm		1616=16x16			S=Special	4=SC/PC
		35=1310/1550nm		3232=32x32				5=ST
		36=1310/1585nm						6=LC
								X=Special

* **Type:** S -- Singlemode Standard Coupler
W -- Singlemode Wideband Coupler

PACKAGE DIMENSIONS & PIGTAIL STYLE

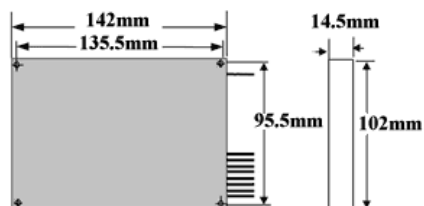
Package D:

11.6mm x 80mm x 120mm



Package E:

14.5mm x 102mm x 142mm



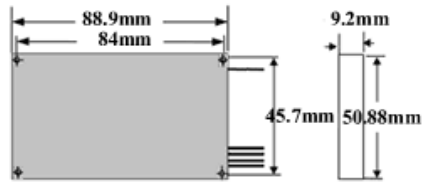


web : www.fiberer.com

email: sales@fiberer.com

Package S:

9.2mm x 50.88mm x 88.9mm



Pigtail Style:

Package D,E:

3mm cable or 900um loose tube

Package S:

250um bare fiber or 900um loose tube