

# C-TS SINGLEMODE TREE COUPLERS

## Features:

- Low insertion loss
- High uniformity
- Customized packaging available
- Environmentally stable

## Applications:

- Telecommunications
- Local area network
- Fiber to the home
- Video transmission
- Fiber optic sensing
- Testing instruments



## Performance Specifications:

ITEM		Singlemode Tree Couplers							
Port Configuration		1(2) x 4		1(2) x 8		1(2) x 16		1(2) x 32	
Operating Wavelength, nm		1310 ± 10 or 1550 ± 10							
Grade		H	A	H	A	H	A	H	A
Insertion Loss, dB		6.6	7.2	10	11.5	13.6	14.5	17.1	18.2
Uniformity, dB		0.7	1.7	1.1	2.5	1.7	3.5	2.2	4.3
Directivity, dB		≥50							
Reflectance, dB		≥50							
Operating Temperature, °C		-40 ~ +85 (*)							
Storage Temperature, °C		-55 ~ +85							
Package Options (for different pigtailing)	1. coated fiber (250µm)	A2, MA, MB, M3		A3, MA, MB, M3		A5, MA, MB, M1		A5, M1, M2	
	2. loose tube (900µm)	A2, MA, MB, M3		A3, MA, MB, M3		A5, MA, MB, M1		A5, M1, M2	
	3. PVC cable (3.0mm)	A2, MA, MB, M3		A3, MA, MB, M3		A5, MA, MB, M1		A5, M1, M2	

Note: 1. The packaging option codes are explained in Appendix.

2. \* 0°C ~ +70°C for 900µm, 2.0mm, or 3.0mm cable.

3. I.L.: Without Connector Loss.

# SINGLEMODE TREE COUPLERS

## Ordering Information:

C - TS -   -   -  -    -   -   /

**Fiber Type**

A Corning SMF-28e+ J G.657. A1 fiber

**Package Option**

- C A2/A3/A5 with coated fiber
- D MA/MB/M1/M2/M3 with coated fiber
- L A2/A3/A5 with loose tube cable
- M MA/MB/M1/M2/M3 with loose tube cable
- O A2/A3/A5 with PVC 2.0mm cable
- Q A2/A3/A5 with PVC 3.0mm cable
- R MA/MB/M1/M2/M3 with PVC 3.0mm cable
- S MA/MB/M1/M2/M3 with adaptors
- X Others, please specify

**Input Port No.**

- 01 1
- 02 2

**Grade**

- H High
- A Average

**Output Port No.**

Please specify desired port number in two digits

**Pigtail Length (for each port)**

- 10 1 meter 05 0.5 meter
- 20 2 meter 15 1.5 meter
- 00 Modulized XX Others, please specify

**Wavelength**

- 13 1310nm
- 15 1550nm
- XX Others, please specify

**Connector Type (Input / Output)**

- FC FC type AP FC/APC type
- SC SC type AS SC/APC type
- ST ST type LC LC type
- MU MU type NC None
- XX Others, please specify