

C-TW WIDEBAND TREE COUPLERS

Features:

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

Applications:

- Telecommunications
- Local area network
- FTTH deployments
- Video transmission
- Fiber optic sensing
- Testing instruments



Performance Specifications:

ITEM		Wideband Tree Couplers							
Port Configuration		1(2) x 4		1(2) x 8		1(2) x 16		1(2) x 32	
Operating Wavelength, nm		1310 ± 40 or 1550 ± 40							
Grade		H	A	H	A	H	A	H	A
Maximal Insertion Loss, dB		7.0	7.4	10.6	11.5	14.0	15.3	18	19
Uniformity, dB		0.8	1.2	1.4	3.0	2.4	3.8	2.6	5.0
Directivity, dB		≥50							
Reflectance, dB		≥50							
Operating Temperature, °C		-40 ~ +85 (*)							
Storage Temperature, °C		-55 ~ +85							
Package Options	1. coated fiber (250µm)	A2, MA, MB, M3		A3, MA, MB, M3		A5, MA, MB, M1		A5, M1, M2	
(for different pigtailed)	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.

WIDEBAND TREE COUPLERS

Ordering Information:

C - TW - - - - - - /

Fiber Type

A	Corning SMF-28e+	J	G.657. A1 fiber
B	Dispersion-shift fiber		
X	Others, please specify		

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.

Please specify desired
port number in two digits

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		