

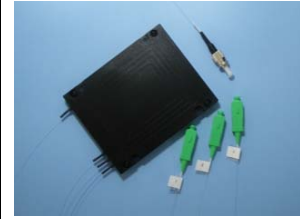
Unitary 1×3 Wideband Coupler

Features

- Low insertion Loss
- High uniformity
- Customized Package available
- Environmentally stable.

Applications

- Telecommunication networks
- LAN
- FTTH deployments
- Video transmission
- Fiber optic sensing
- Testing instruments



Specifications

ITEM	VALUE	
Operation Wavelength	1310nm±30 or 1550nm±30	
Port Configuration	1×3	
Grade	High(H)	Average(A)
I Insertion Loss ,dB	5.8	6.3
Uniformity, dB(33:33:33)	1.2	1.7
Thermal Stability, dB(peak-peak)	≤ 0.4	
Polarization Stability, dB	≤ 0.2	
Coupling Ratio	33 : 33 : 33 or Customer Specify	
Directivity, dB	≥ 50	
Reflectance, dB	≥ 50	
Operation Temperature, °C	-40°C ~ 85°C(*)	
Storage temperature, °C	-55°C ~ 85°C	
Package Options (for different pigtail)		
1.coated fiber (250µm)	T3,A2,MA,MB,M3	
2.Loose tube (900µm)	TC,A2,MA,MB,M3	
3.PVC cable(3.0mm)	A2,MA,MB,M3	

Note: (*) -20°C ~ +70°C for PVC cable

Unitary 1x3 Wideband Coupler Ordering information

CO-U1 XX/XX XX XX X X XX XXX(cm)

Connector(for both ends)
 11-ST
 21-FC/PC
 22-FC/APC
 31-SC/PC
 32-SC/APC
 41-LC/PC
 51-MU/PC
 00-None
 XX-Others

Pigtail length (for each port)
 050- 50cm
 100- 100cm
 150- 150cm
 200- 200cm
 000- Modulized
 XXX-Others

Wavelength
 31-1310 nm
 55-1550 nm

Coupling ratio
 05 ~ 45 Please specify
 the different port

Package option
 01-T3 with coated fiber
 02-A2/MA/MB with coated fiber
 11-TC with loose tube cable
 12-A2/MA/MB with loose tube cable
 21-A2 with PVC cable(2.0mm)
 31-A2 with PVC cable(3.0mm)
 32-MA/MB with PVC cable(3.0mm)
 33-MA/MB with adapters
 XX-Others

Fiber type
 A- Corning SMF-28e
 X-Others

Grade
 A- Average
 H- High