

Dual Window Wideband Coupler

Features

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

Applications

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



Specifications

ITEM		VALUE	
Operation Wavelength ,nm		1310nm±10 and 1550nm±10	
Grade		Supper(s)	High(H)
Typical Excess Loss ,dB		0.08	0.2
Uniformity, dB(50:50)		0.8	1.2
Thermal Stability ,dB(peak-peak)		≤0.2	≤0.3
Polarization Stability ,dB		≤0.1	≤0.15
Port Configuration		1×2 or 2×2	
Coupling Ratio		1 : 99 to 50 : 50, (50 : 50 standard)	
Insertion Loss ,dB		Refer to Coupling ratio vs. insertion Loss chart	
Directivity ,dB		≥50(1×2), ≥60(2×2)	
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)	T5,MA,MB,M3	
	2.Loose tube (900µm)	TA,MA,MB,M3	
	3.PVC cable(3.0mm)	A1,MA,MB,M3	

Note: (*) -20°C ~ +70°C for PVC cable

Coupling Ratio (%)	Insertion Loss(dB)	
	Super Grade(S)	High Grade(H)
50/50	3.6	3.8
45/55	4.15/3.15	4.45/3.3
40/60	4.7/2.7	5.0/2.9
35/65	5.35/2.3	5.7/2.5
30/70	6.0/1.9	6.4/2.1
25/75	6.95/1.7	7.45/1.9
20/80	7.9/1.4	8.5/1.5
15/85	9.6/1.0	10.6/1.1
10/90	11.0/0.7	12.7/0.8
5/95	14.6/0.5	18.4/0.55
1/99	21.6/0.3	21.6/0.4

Dual Window Wideband Coupler Ordering information

CO-DW XX/XX -35- XX X XX 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
 35-1310/1550 nm

Coupling ratio
 00 ~ 50 please specify

Package option(for both ends)
 01-T5 with coated fiber
 02-MA/MB/M3 with coated fiber
 11-TA with loose tube cable
 12-MA/MB/M3 with loose tube cable
 21-A1 with PVC cable(2.0mm)
 31-A1 with PVC cable(3.0mm)
 32-MA/MB/M3 with PVC cable(3.0mm)
 33-MA/MB/M3 with adapters
 XX-Others

Port number
 12- 1 x 2
 22- 2 x 2

Grade
 S- Super
 H- High