

Standard Single Mode Fiber Coupler

Applications

- Fiber to the Home (FTTH)
- Local Loop
- Passive Optical Networks (PON)
- Fiber Optic CATV
- Fiber Communication Systems
- Fiber Optic Test Equipment
- Fiber Optic Sensing
- Local Area Networks (LAN)



Ordering Information

OC- - - - - -

1 2 3 4 5

1	2	3	4	5
SPLITS	INPUT CONNECTOR	Polishing	OUTPUT CONNECTOR	Polishing
2=2X	S=SC	U=UPC	S=SC	U=UPC
4=4X	ST=ST	A=APC	ST=ST	A=APC
6=6X	F=FC		F=FC	
8=8X	L=LC		L=LC	

Features

- All Fiber Construction
- High Reliability
- Outstanding Optical Performance
- Different Fiber Types Available

Specifications

Item	Unit	Parameter		
Center Wavelength	nm	1310 or 1550		
Bandwidth	nm	±20		
Coupling Ratio	%	1 ~ 50		
Grade		p	a	b
Max. Excess Loss	dB	0.15	0.20	0.30
Max. Polarization Dependent Loss	dB	0.1	0.15	0.20
Min. Directivity	dB	55	50	40
Max. Uniformity*	dB	0.7	0.8	0.9
Typ. Wavelength Dependent Loss*	dB	0.4		
Max. Temperature Dependent Loss	dB	0.3		
Operating Temperature	°C	-40 ~ +85		
Storage Temperature	°C	-40 ~ +85		
Package Dimensions	inches	1 3/4" X 19" - 1RU 1 standard rack unit		

* For 50/50 Coupler.

Qualification and Reliability Tests

Dry Heat	85±2°C for 5000 hours
Damp Heat	75±2°C and 90±5%RH for 5000 hours
Low Temperature Storage	-40±5°C for 5000 hours
Water Immersion	43±2°C and PH5.5±0.5 for 168 hours
Temperature Cycling	-40±2°C to 85±2°C for 500 cycles
Vibration	10Hz to 2000Hz, 1.52mm max. amplitude, 3 axes, 2 hours per axis
Impact Test	1.8m, 3 axes, 8 times per axis

QUALITY FIBER
AND RF, INC
(772)545-9757

8941 SE DUNCAN ST
HOBE SOUND, FL
33455