

Single Mode Standard Couplers

Features

Low Excess Loss
High Return Loss
Various Coupling Ratio
Compact Size

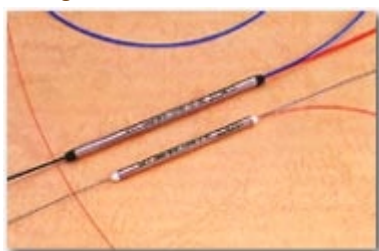
Applications

Long-haul Telecommunications
CATV Systems & Fiber optic Sensors
LAN System

Specifications

Parameter		Value			
Operating Wavelength (nm)		1310 or 1550, others on request			
Bandwidth (nm)		±20			
Excess Loss (dB)		≤ 0.08 (0.05 typ.)			
Coupling Ratio (%)		50/50	40/60	30/70	20/80
Typ. Insertion Loss (dB)		3.05	4.1/2.3	5.3/1.6	7.1/1.0
Max. Insertion Loss (dB)		3.3	4.4/2.5	5.6/1.8	7.5/1.2
Polarization Dependent Loss (dB)		≤0.10	≤0.10	≤0.15/0.10	≤0.15/0.10
Thermal Stability (dB /°C)		≤ 0.002 over -40℃ to +85℃			
Directivity (dB)	1×2	≥ 50, ≥ 60 on request			
	2×2	≥ 65			
Configuration		1×2 or 2×2			
Lead Length		1 meter, others on request			
Lead Type	250um bare fiber	900um loose tube		3mm loose cable (or2mm)	
Package Dimensions (mm)	M:Φ3.0×40	A:Φ3.0×54		Z: 90×16×9	
		Y: 90×16×9		K: 106×79×10	
Operating Temperature (°C)	-40 to +85	-20 to +70		-20 to +70	

Imagine



Ordering Information

CP	Type	Grade	Wavelength	Coupler Ratio	Port	Package	Fiber Type	Connector
	S=Standard Coupler W=Wide Band Coupler D=Dual Window	P	10=1060nm 13=1310nm 14=1480nm 15=1550nm 16=1590nm 83=830nm 85=850nm 98=980nm 35=1310/1550nm 36=1310/1585nm 35/49=1310/1550/1490nm xx=others	50=50/50 30=30/70 20=20/80 05=5/95 01=1/99	0102=1x2 0202=2x2	M N A B C E F G H J	1=250um Bare Fiber 2=900um loose tube 3=3mm Cable X=others	NE=None FA=FC/APC FC=FC/PC SA=SC/APC SC=SC/PC ST=ST/PC LA=LC/APC LC=LC/PC XX=others

Package Dimensions

Package M:

3mm x 40mm stainless steel tube

Package N:

3mm x 48mm stainless steel tube

Package A:

3mm x 54mm stainless steel tube

Package B:

3mm x 60mm stainless steel tube

Package C:

8.5mm x 14mm x 98mm case

Package E

3mm x 35mm stainless steel tube

Package F

3mm x 35mm stainless steel tube

PackageG

2.4mm x 30mm stainless steel tube

PackageH

2.4mm x 25mm stainless steel tube

Package J

2.4mm x 18mm stainless steel tube