

Single Window Fused Singlemode Coupler

Features

- Single Window
- Ultra Low Polarization Sensitivity
- Excellent Directivity
- Telecordia GR-1209 & 1221 Compliant



Applications

- Telecommunications
- CATV
- Network Monitoring
- Local Area Network

Performance Specifications

Parameter

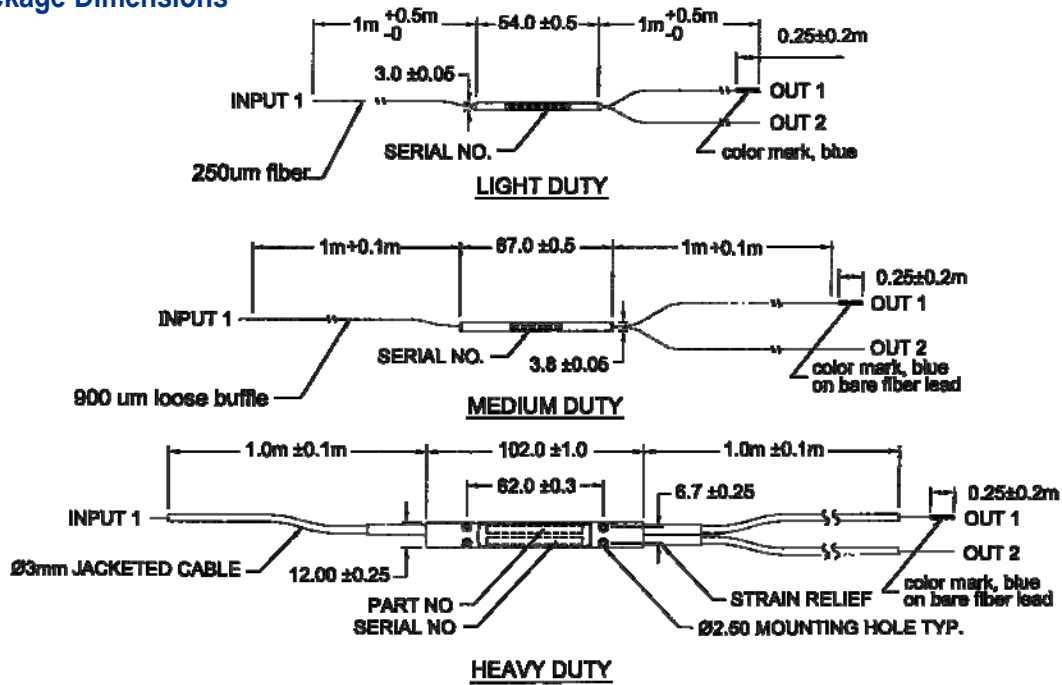
Central Wavelength (nm)		1310 or 1550
Operating Bandwidth (nm)		± 40
Insertion Loss (dB)*	Split Ratio 50/50	< 3.5
	Split Ratio 40/60	< 4.5 / 2.6
	Split Ratio 30/70	< 5.8 / 1.9
	Split Ratio 10/90	< 10.7 / 0.7
	Split Ratio 5/95	< 14.4 / 0.4
	Split Ratio 2/98	< 19.8 / 0.3
	Split Ratio 1/99	< 21.5 / 0.2
Uniformity (dB) [For 50/50 only]		< 0.5
Polarization Dependent Loss (dB)		< 0.1
Directivity (dB)		> 55
Operating Temperature (°C)		-40 to +75
Storage Temperature (°C)		-40 to +85
Package Dimensions (mm)	Light Duty	3.0 Dia x 54 (L)
	Medium Duty	3.8 Dia x 67 (L)
	Heavy Duty	102 (L) x 12 (W) x 10 (H)

*Insertion loss does not include connector loss.

Description

Valdor manufactures a broad range of couplers and Wavelength Division Multiplexers (WDM's) designed to distribute traffic and increase capacity on fiber networks without installing additional cable. Valdor employs ultra-reliable fused taper technology with a computer controlled fabrication station. Valdor offers components that feature low insertion loss, excellent stability and long term reliability. All couplers are available in a variety of packaging styles and performance levels to maximize product compatibility with specific network requirements. Custom Configurations are available, and Valdor's technical staff can assist you in designing a unit to meet your specific requirements.

Package Dimensions



NOTE: DIMENSIONS ARE IN MILLIMETER.

Ordering Information

Standard Valdor component part numbers are specified with appropriate part number options. If you require devices different than standard devices, please contact our sales office or factory for ordering and pricing information.

Tel: (510) 293-1212 Fax: (510) 293-9996

SINGLE WINDOW FUSED SINGLEMODE COUPLERS

	Light Duty	Medium Duty	Heavy Duty	
1310	120-0023021X-YY	120-0023022X-YY	120-0023023X-YY	
1550	120-0025021X-YY	120-0025022X-YY	120-0025023X-YY	

X - Connector Type Bare Fiber = 0 SC/APC=4
 FC = 1 LC=5
 FC/APC=2 ST=6
 SC = 3 MU=7

YY - Split Ratio
 50/50 = 50
 65/35 = 65