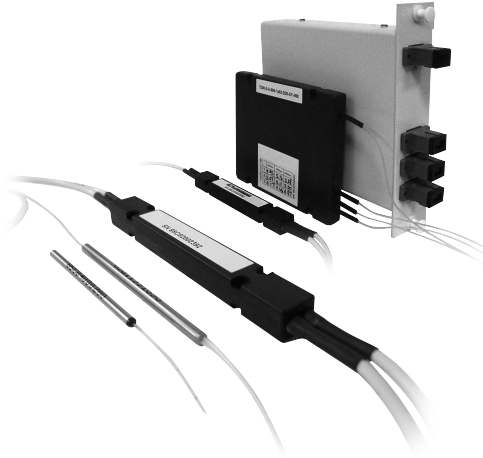


Singlemode Fused Wavelength Division Multiplexer

Features

- Ultra High Isolation
- Low Insertion Loss
- Low Polarization Sensitivity
- Flat Passband
- Telecordia GR-1209 & 1221 Compliant
- Bidirectional



Applications

- Telecommunications
- CATV
- Network Monitoring
- Local Area Network

Performance Specifications

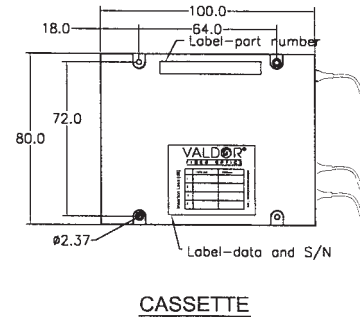
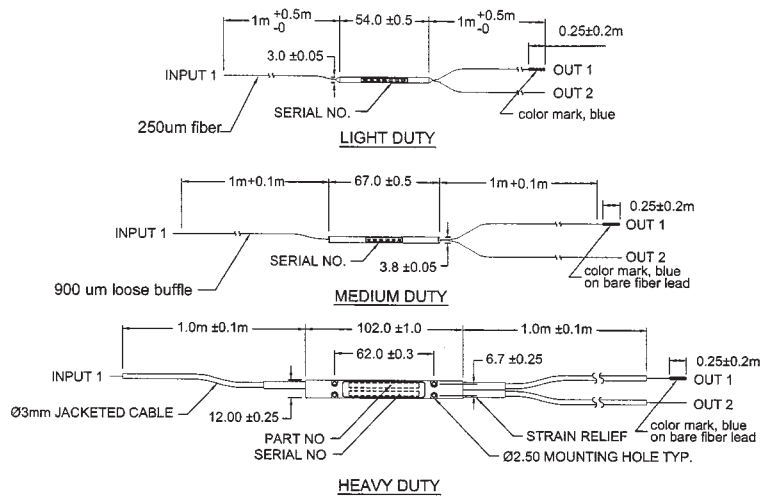
WDM		Standard Isolation	Medium Isolation	High Isolation
Insertion Loss (dB)*		< 0.4	< 0.9	< 1.2
Isolation (dB)		≥ 17	≥ 34	≥ 45
Band Width (nm)		± 15	± 15	± 15
Operating Wavelength		1310/1550 nm		
Thermal Stability		± 0.1dB in Wavelength passband		
Directivity (dB)		≥ 55		
Back Reflection		≤ -55dB		
Operating Temperature		-40°C – +75°C		
Storage Temperature		-40°C – +85°C		
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)	√		
	Cassette 100 (L) x 80 (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 below 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) 324-0101 Fax: (510) 324-0303

	FUSED WDM 1x2 1310/1550 ±15 nm			
	Light Duty Packaging	Medium Duty Packaging	Heavy Duty Packaging	Cassette Package
Standard Isolation	120-0031021X-00	120-0031022X-00	120-0031023X-00	120-003102YX-00
Medium Isolation	120-0041021X-00	120-0041022X-00	120-0041023X-00	120-003102YX-00
High Isolation	120-0051021X-00	120-0051022X-00	120-0051023X-00	120-003102YX-00

120-003102YX-00 Y= Package/Fiber
 1=light duty(250um) 6=Standard cassette
 2=Medium duty(900um) 7=Medium duty cassette
 3=Heavy duty(3mm) 8=Heavy duty cassette

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