



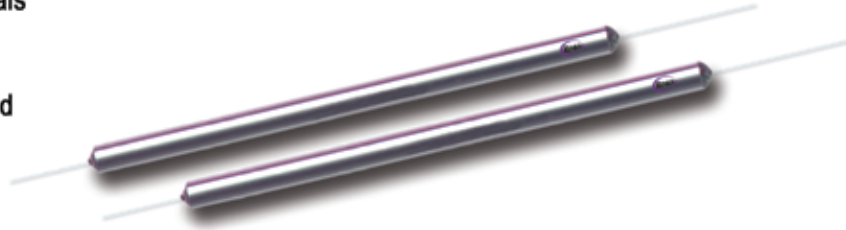
wavelength division multiplexers

Description

Renka® SmartCONNECT™ 1310/1550 Fused Wavelength Division Multiplexers (WDMs) are designed to multiplex two signals into a single fiber, allowing increased system capacity. Fabricated using proven fused biconical taper (FBT) technology, these WDMs offer ultra low insertion loss and PDL, while providing high isolation.

Renka WDMs are designed and tested to Bellcore GR-1209/GR-1221 performance and reliability industry standards.

Single Mode Fused 1310/1550 WDM



Applications

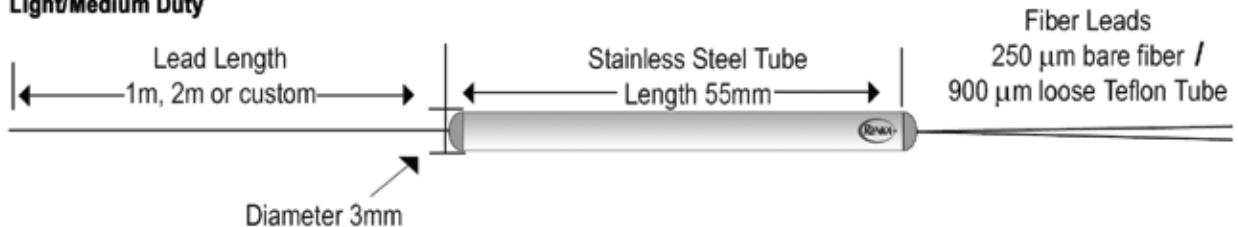
- Fiber Communication Systems
- CATV
- Passive Optical Networks
- Test and Measurement Systems
- Local Area Networks
- Bidirectional Communication Over a Single Fiber

Benefits

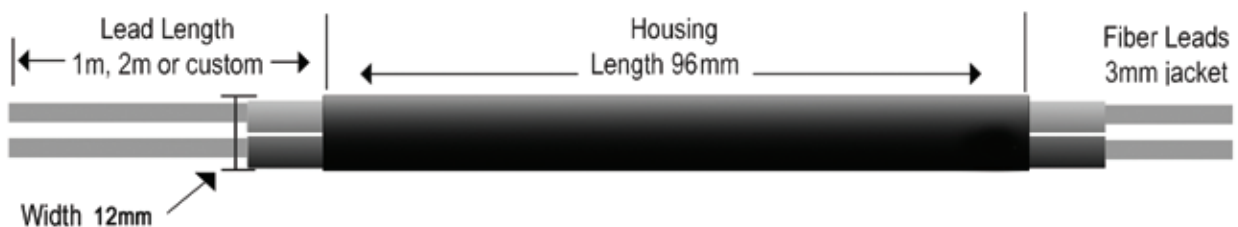
- Low Insertion Loss
- Excellent Wavelength Isolation
- Low PDL
- Superior Reliability
- Environmentally Stable
- Compact Packaging

Package Dimensions

Light/Medium Duty



Heavy Duty



1310 / 1550 Fused WDM

	UNIT	Premium	Standard
Insertion Loss (max)	dB	0.3	0.5
Isolation	dB	17	15
Polarization Dependent Loss (PDL)	dB	≤0.1	
Return Loss/Directivity	dB	≥55	
Operating Wavelength	nm	1310/1550	
Bandpass	nm	±15	
Port Configuration		1x2	
Packaging	Light/Medium Duty	mm Stainless Steel Tube = 55L x 3Ø / 65L x 3Ø	
	Heavy Duty	mm Plastic Housing = 96L x 12W	
Lead Type		250µm bare fiber, 900µm loose Teflon tube, or 3mm jacket	
Standard Lead Length (input and output)	m	1, 2 or custom	
Maximum Pull Strength	N	5	
Maximum Power Handling	mW	250	
Operating Temperature	°C	-40 to +75	
Storage Temperature	°C	-40 to +85	

Ordering Information

WDM□-□□-□□-□

Grade
P: Premium
S: Standard

Wavelength
35: 1310/1550

Package Type
L: Light Duty
M: Medium Duty
H: Heavy Duty

Lead Length
1: 1 meter
2: 2 meters
C: Custom

Connector Type
0: None