



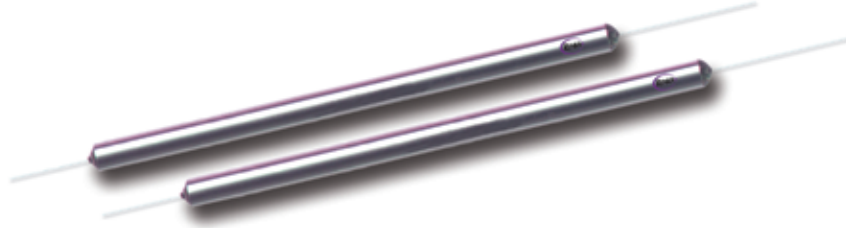
single mode couplers

Description

Renka® SmartCONNECT™ Wavelength Flattened Couplers are low loss branching components, used to combine and split light over a wide wavelength range. Fabricated using proven fused biconical taper (FBT) technology, these couplers offer excellent wavelength flattened response at 1310 or 1550nm.

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

Tap Coupler for EDFAs



Applications

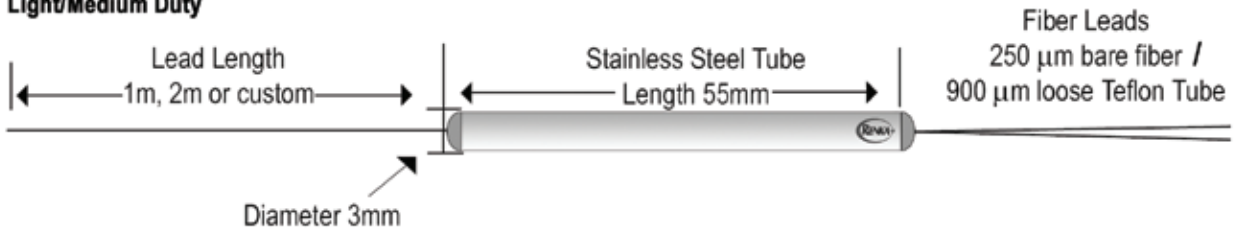
- EDFAs
- Fiber Communication Systems
- Test and Measurement Systems
- Network Monitoring

Benefits

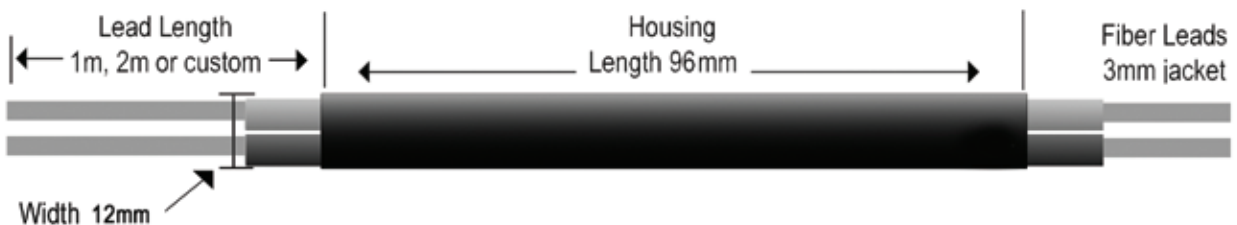
- Low Insertion Loss
- Low PDL
- Superior Reliability
- Environmentally Stable
- Compact Packaging
- High Directivity

Package Dimensions

Light/Medium Duty



Heavy Duty



Coupler Specifications (based on 50/50 split ratio)

		UNIT	Premium	Standard
Return Loss/Directivity		dB	>=55	
Operating Wavelength		nm	980, 1480 or 1550	
Bandpass		nm	±20	
Port Configuration			1x2 or 2x2	
Packaging	Light/Medium Duty	mm	Stainless Steel Tube = 55L x 3∅ / 65L x 3∅	
	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	200	
Thermal Stability		dB/°C	±0.002	
Operating Temperature		°C	-40 to +75	
Storage Temperature		°C	-40 to +85	

Split Ratio and Insertion Loss/PDL Chart

Split Ratio	Insertion Loss (Primary/Secondary)	
	Premium	Standard
95/5	0.4/13.5	0.5/14.0
98/2	0.2/18.0	0.25/19.0
99/1	0.15/21.0	0.2/22.0
PDL (Secondary)	0.2	0.3

Ordering Information

ETC□-□□-□□□□-□

Grade P: Premium S: Standard	Split Ratio 01: 99/1 02: 98/2 05: 95/5	Wavelength 1: 980 4: 1480 5: 1550	Port A: 1x2 B: 2x2	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
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