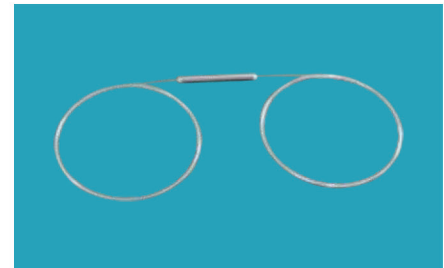


## 1×3 Single-mode Fiber Coupler

### Product Description

1×3 single-mode fiber coupler is fabricated by using unique strong-fused tapering process, which is used for light splitting and light combining of the optical path and can divide the input light into three beams. The product has passed GR-1209-CORE and GR-1221-CORE reliability tests and various military environmental assessment tests. Boasting stable performance and high reliability, the product has been applied in multiple national key projects.

### Product Picture



### Product Application

- Fiber optic communication
- Measuring instrument
- Military communication system
- LAN
- FOG and other fiber optic sensors

### Product Features

- High reliability
- Small size
- High impact resistance
- Low additional loss
- Good environmental stability

### Performance Indicators At Room Temperature Range (+18°C~+28°C)

Parameters	Performance level	Unit	Level A	Level B
Operation Wavelength		nm	1310/1550	
Additional Loss		dB	50.0±3.0	50.0±5.0
Polarization Dependent Loss		dB	≤0.10	
Splitting Ratio		/	1:1:1	
Splitting Ratio Deviation		/	±3.0	±5.0
Temperature Dependent Loss		dB	≤0.10	≤0.20
Return Loss		dB	≥55.0	
Operation Temperature		°C	-50~+80	
Storage Temperature		°C	-55~+85	
Pigtail Length		m	1.0±0.2 (or as required)	
Package Size		mm	Φ3.0×35/Φ2.4×35	
Pigtail Specification		/	125/25mm (SMF-28e or as required)	

Note: Temperature dependent loss refers to the variation of additional loss within the operation temperature range.