



Optical Fiber Connector

MTRJ Optical Fiber Connector

Description

An optical fiber connector terminates the end of an optical fiber, and enables quicker connection and disconnection than splicing. The connectors mechanically couple and align the cores of fibers so light can pass. Better connectors lose very little light due to reflection or misalignment of the fibers.

Feature

- Low insertion loss
- High return loss
- Ease of installation
- Low cost
- Reliability
- Low environmental sensitivity
- Ease of use

Application

- Telecom network
- Ethernet network
- Optical communication equipment



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Specification:

Items	Single mode	Multi mode
Insertion Loss	$\leq 0.3\text{dB}$	$\leq 0.3\text{dB}$
Return Loss	$\geq 50\text{dB(UPC)}; \geq 60\text{dB(APC)}$	$\geq 30\text{dB}$
Ceramic ferrule spec	125.5um concentricity deviations: $< 1\mu\text{m}$	127um concentricity deviations: $< 3\mu\text{m}$
Insert-pull test	1000 times $< 0.3\text{dB}$	
Operation temperature	$-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$	
Suitable fiber	PC/APC(9/125um)	PC(50/125um, 62.5/125um)