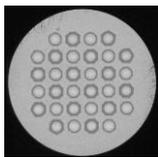


# Multicore Fiber Isolator



## Product Overview

Phoenix Multi-Core-Fiber (MCF) isolators are part of the fiber component range for SDM applications. The devices provide good isolation for all cores with low insertion loss and low cross-talk over a wideband.



32 core fiber cross section

## Features & Applications

### FEATURES

- Good isolation
- Low cross-talk
- Low loss
- Low PDL
- Customer defined fiber

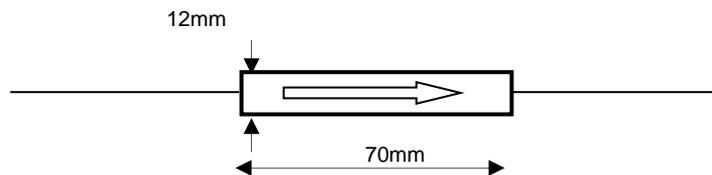
### APPLICATIONS

- SDM systems
- Sensors

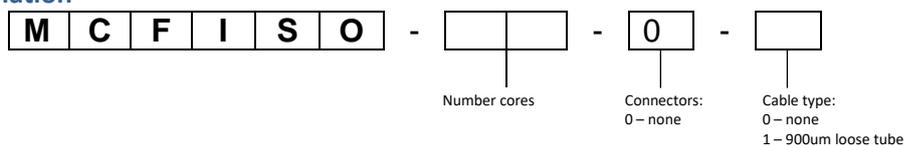
SPECIFICATION	Units	
Fiber	-	Up to 32 cores
Operating wavelength range	nm	1530-1625
Isolation	dB	>30
Average Insertion loss	dB	<1.5
Core to core IL variation	dB	1-2
Back reflection	dB	>30

## Packaging Style:

Package 70x12x9mm



## Ordering Information



## Relevant references

- 1) Y. Jung et al., "Compact 32-core multicore fibre isolator for high-density spatial division multiplexed transmission," ECOC'16, paper W2.B4, Dusseldorf, Germany, 18-22 Sep 2016.
- 2) S. Jain et al., "32-core inline multicore fiber amplifier for dense space division multiplexed transmission systems," ECOC'16, paper Th3.A1, Dusseldorf, Germany, 18-22 Sep 2016 (Postdeadline paper).

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