

DATA SHEET

FS-SPLITTER Optical splitter

SPECIAL FEATURES

- Low insertion loss
- Polarization insensitive
- Environmentally stable and reliable



DESCRIPTION

The FS-SPLITTER is a single mode optical coupler 1x2 that allows the combination of signals from two separate chains of optical sensors into a single fiber.

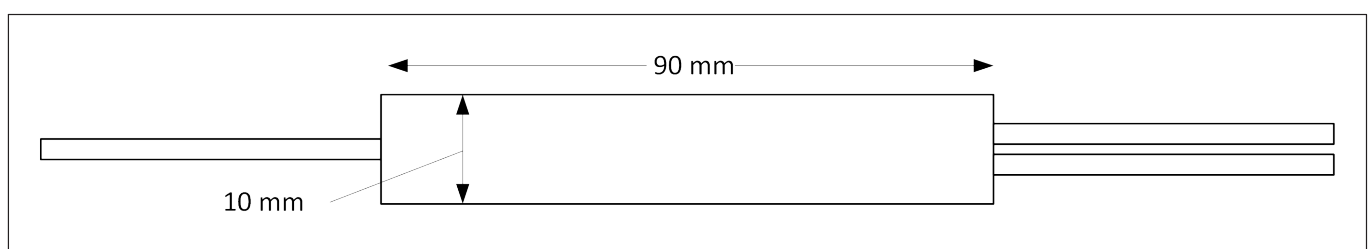
The FS-SPLITTER can be used during the design phase of a sensing network to minimize cable deployment

and/or cable complexity as well as be used in existing systems to overcome possible network problems by taking advantage of existing redundancy.

BENEFITS AND APPLICATION

- Duplicate optical channels
- Use redundancy
- Combine signals in series from terminal sensors

DIMENSIONS



SPECIFICATIONS

Ordering information: 1-FS-SPLITTER

Operating Wavelength	nm	1550 (±40)
Insertion loss ¹⁾	dB	3.4
Coupling Ratio	%	50 : 50
Operation and storage temperature	°C	-40 ... 85
Main materials ²⁾	n.a.	ABS, PVC
Dimensions	mm	90 x 16 x 9
Connectors	n.a.	FC/APC
Cable type	n.a.	Ø 3 mm Loose Tube
Cable length	m	1
Fiber type	n.a.	SMF-28e

1) Excess loss is included (< 0.1 dB). One way losses. For Fiber Bragg Grating signals the double loss should be considered as measurements are made in reflection.

2) The full composition of the sensor including cable, complies with RoHS, REACH, Conflict Minerals and fire propagation prevention directives.

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