



Product Data Sheet

Product Type Optical Fiber Coupler

Product Model SO2DFF-M

Customer Name _____

Manufacturer	Prepared	Checked	Approved

Customer	Received	Checked	Confirmed



Product Data Sheet

Product Type	Optical Fiber Coupler	
Product Model	SO2DFF-M	
Product Features		
➤ Robust and reliable dual-channel fiber coupler ➤ Based on LC-Duplex connectors and compatible to conventional multi-mode LC connectors ➤ It can achieve IP65 waterproof grade when used with SO2M plug ➤ Feed-through connection with automatic sealing shutter		



Product Data Sheet

Product Parameters

Item	Specification
Connection type	Coupler
Gender	Female-to-Female
Connector type	Multi-mode PC

Electrical Parameters

Item	Specification
Contact resistance	< 7mΩ
Rated current	6 A
Rated voltage	< 50 V
Dielectric strength	1.5 kV dc
Insulation resistance	> 2 GΩ (initial)
Rated current per contact	Contact 1+4, 9A, Contact 2+3, 6A



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Mechanical Parameters

Item	Specification
Service Life	> 1000 mating cycles
Insertion Force	< 45 N
Locking Device	Push-pull

Material and Environmental Parameters

Item	Specification
Housing	Aluminum alloy
Split sleeve	Ceramics
Insert	PA66
Contacts	Bronze
Contact plating	Au
Temperature range	-30°C ~ +80°C

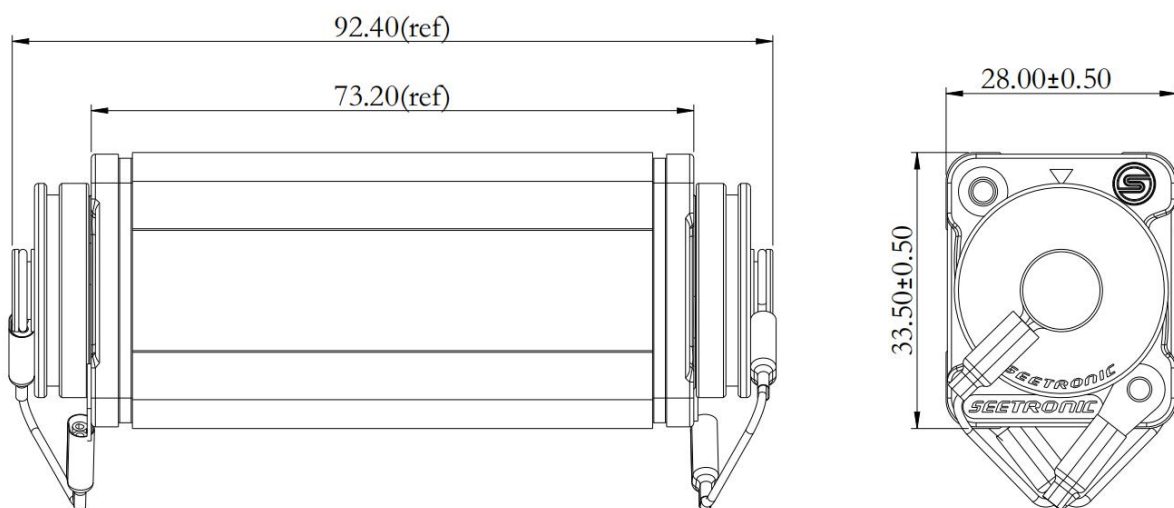


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Optical Properties

Item	Specification
Insertion loss	< 0.4dB@850nm/1300nm
Optical connector	LC-Duplex

Product Drawing



Unit: mm



Product Data Sheet

Packaging Method

Pearl cotton protective packaging, 1 product per small box

Accessory

- | | |
|--|--|
| ☒ No accessories | ☐ Back fastener plate |
| ☐ Screws and Nuts | ☐ Other |

Instructions

Open the stainless steel dust cover, insert the SO2M connector into one side of SO2DFF-M, and operate the other side in the same way to complete the connection of two optical fiber cables.

