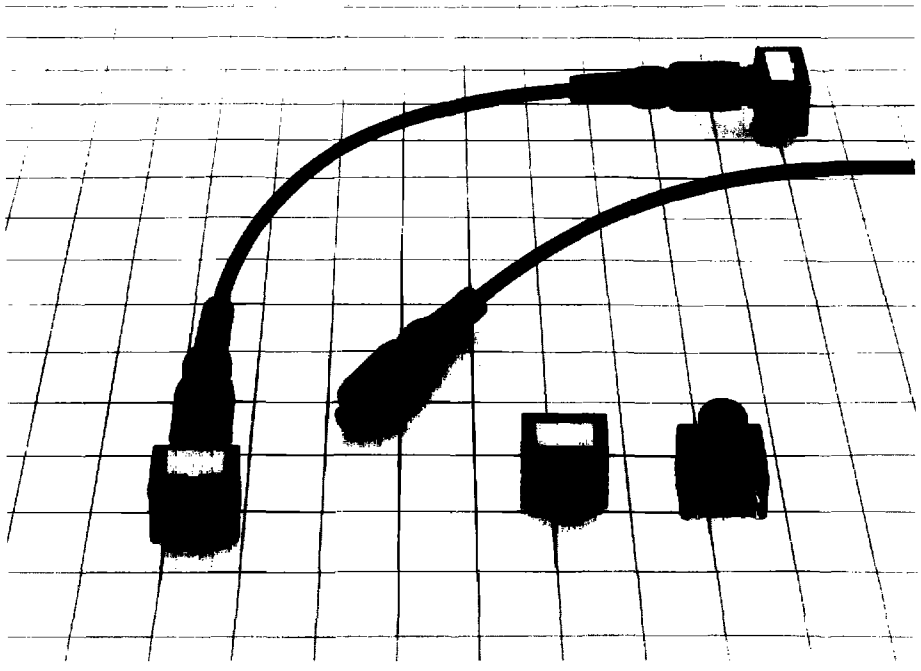
PF Series OF OPTICAL FIBER CONNECTOR

PLASTIC FIBRE CONNECTOR

SCOPE:

The PF series is an optical connector for plastic fibres, and is intended mainly for factory automation, office automation, and equipment internal transmission systems. Thread-lock rugged PF2 series 1-position optical fibre connectors are available.



FEATURES:

(1) Rugged 1 position connector with secure coupling.
(2) Compact and light weight design.

APPLICATION:

Factory Automation, Office Automation, Equipment Internal Transmission Systems.

SPECIFICATIONS:

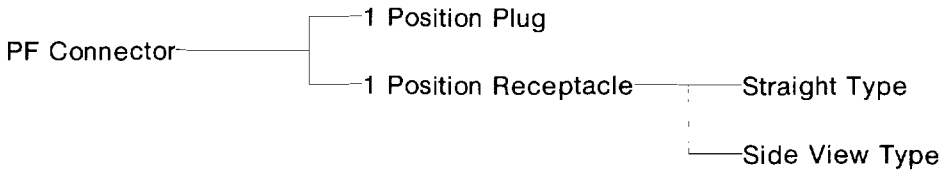
(1) Insertion loss: Max. 2.0dB (APF-970/1000, lighting source 0.65 μ m LED)
(2) Applicable fibre cord: APF-970/1000, Cord outer dia. ϕ 2.3mm.
(3) Life: 500 times, Deviation of insertion loss max. 0.3dB.
(4) Vibration: 10~55Hz, Amplitude: 1.5mm, Deviation of insertion loss: max. 0.3dB.
(5) Shock: 100G, Deviation of insertion loss: Max. 0.3dB

OF OPTICAL FIBER CONNECTOR

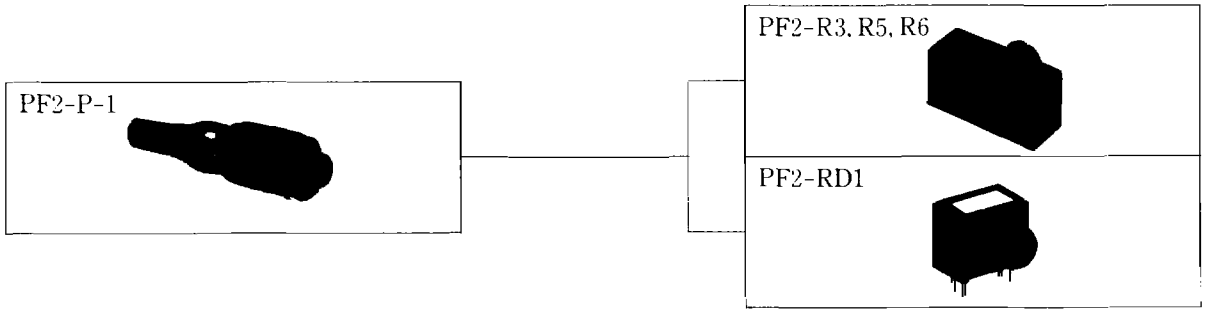
MAIN MATERIAL:

Part Name	Material
Plug Housing	Polycarbonate
Receptacle Housing	Polycarbonate

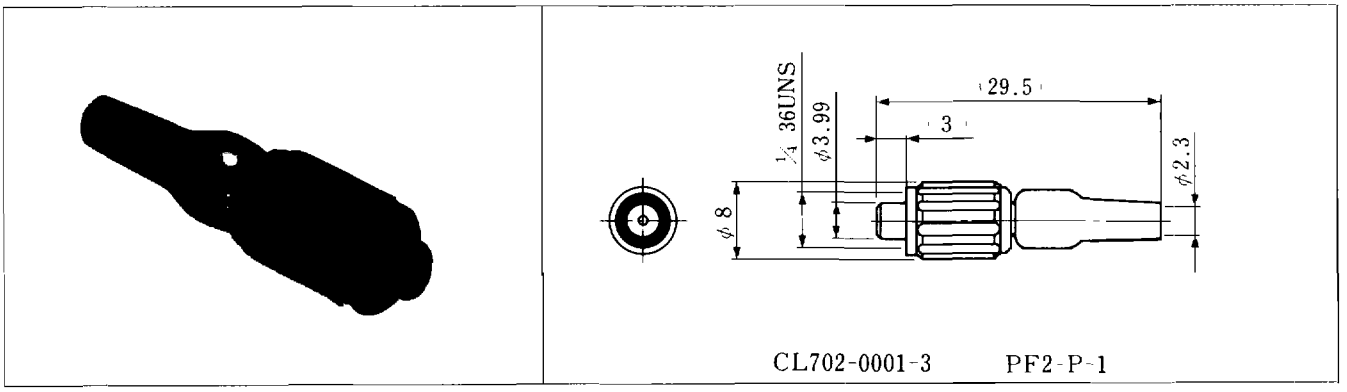
VARIETY:



● FUNCTIONAL PF TYPE CONNECTOR

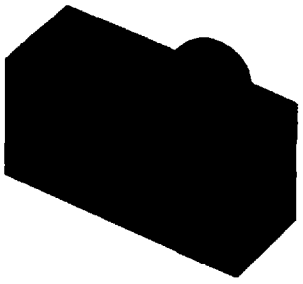


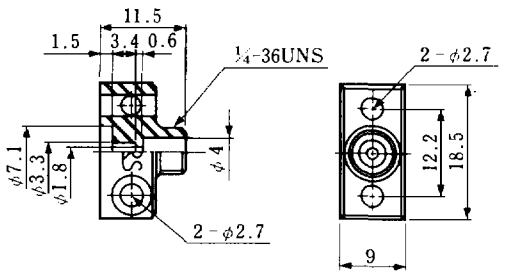
● 1 POSITION PLUG



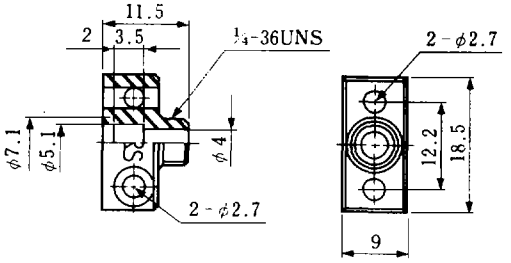
OF OPTICAL FIBER CONNECTOR

●1 POSITION STRAIGHT TYPE RECEPTACLE

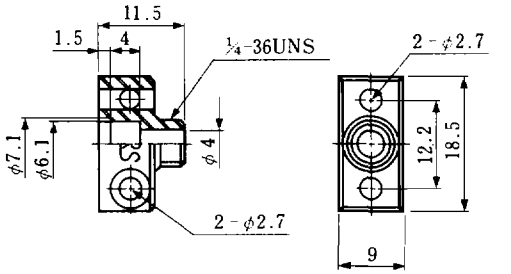




CL702-0002-6 PF2-R3



CL702-0003-9 PF2-R5



CL702-0004-1 PF2-R6

Note: Please select the applicable receptacle based on the outer diameter of your light receiving and emitting element.

φ3: PF2-R3

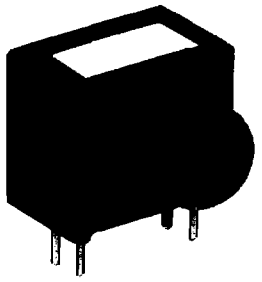
φ5: PF2-R5

φ6: PF2-R6

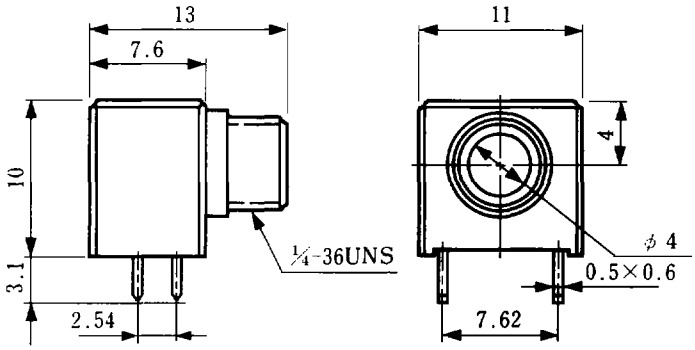
OF OPTICAL FIBER CONNECTOR

● 1 POSITION SIDE VIEW TYPE RECEPTACLE

This connector has an unique construction with its precisely molded plastic body and the PCB leads having an element fixing spring that allow the connector and the element to simultaneously be mounted on the PCB. It is suitable for high density Application as the fibre axis being parallel to the PCB will allow an application to the narrow spaced PCB-to-PCB. The light receiving and emitting element can quickly be connected and fixed to the connector by simply inserting into it, without using adhesive.



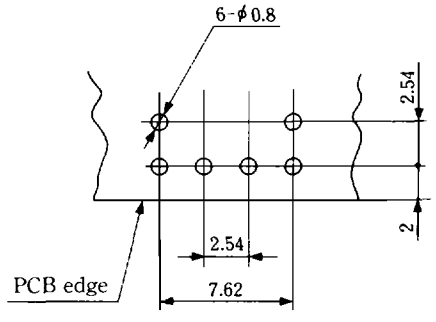
PF2-RD1
CL702-0006-7 External: Black
CL702-0006-7(01) External: Blue



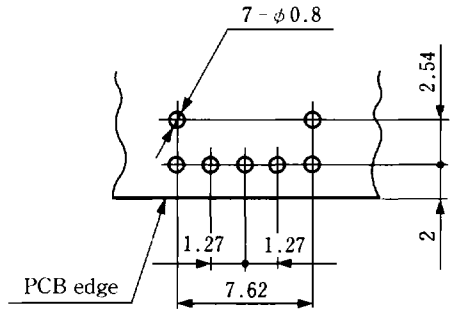
● Applicable Emission Element

Emission Diode: LN145W (Matsushita Electronic Industry)
Photodiode: PN 335 (Matsushita Electronic Industry)
Phototransistor: PN116 (Matsushita Electronic Industry)

● Footprint



LN125D、PN335



PN116