

Plastic Optical Fiber Connectors

PF Series



■ Features

1. Standard Compliant

These simplex connectors can be used between equipment and for transfer systems within equipment.

2. Screw Fastening Construction

The lock uses a screw fastening construction which permits solid coupling.

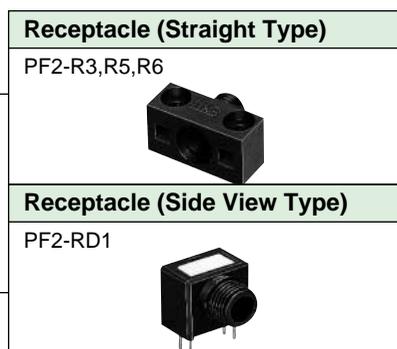
3. Receptacles

Two types of receptacles are available, a straight and a side view type.

■ Applications

Between equipment such as used in factory automation and office automation, and for transfer systems within equipment.

■ Function Diagrams



■Product Standards

Rating	Operating temperature range	-25°C~70°C	Storage temperature range	-25°C~70°C
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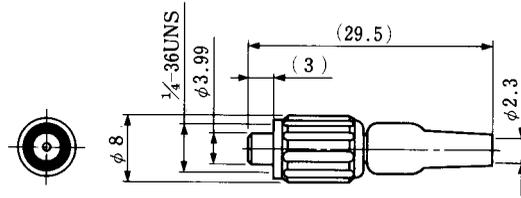
	Item	Test Method (JIS C 5961)	Standard
※	Insertion loss	650nm wavelength (LED)	2 dB or less
Mechanical Performance	Repetitive operation	500 times	1) Insertion loss fluctuation after test: 0.3 dB or less 2) No damage, cracks, or part looseness
	Vibration resistance	Vibration range of 10 to 55 Hz, in 3 directions, 3 hours each	
	Shock resistance	Acceleration of 981 m/s ² , in both directions along 3 axes, 3 times each (Total of 18 times)	
Environmental performance	Temperature cycle	Temperature -25°C to 70°C 10 cycles	

※ Optical performance

■Materials

Part Name	Material
Plug housing	Polycarbonate
Receptacle housing	

■ Plug



HRS No.	Product Number
CL702-0018-6	PF2-P-2

■ Receptacles (Straight Type)



Figure 1

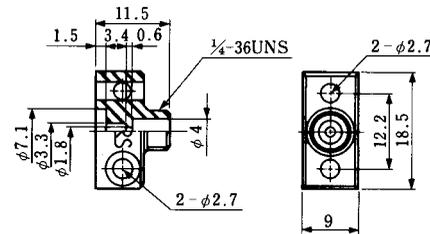


Figure 2

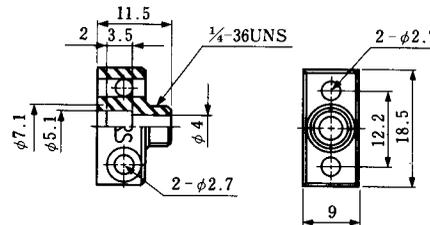
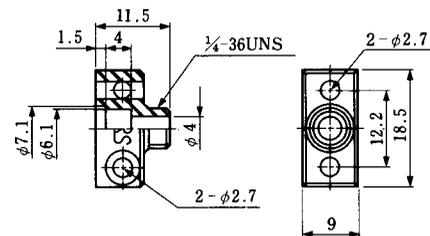
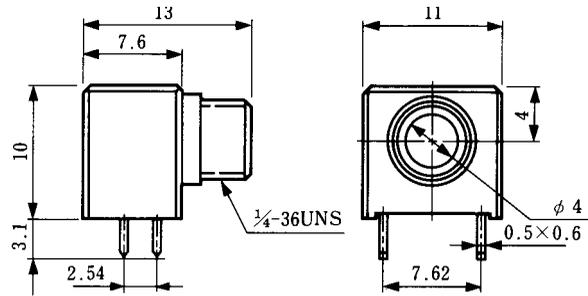


Figure 3



HRS NO.	Product Number	Diameter of the Optical Receive/Emit Element	Diagram No.
CL702-0002-6	PF2-R3	$\phi 3$	Figure 1
CL702-0003-9	PF2-R5	$\phi 5$	Figure 2
CL702-0004-1	PF2-R6	$\phi 6$	Figure 3

■Receptacles (Side View Type)



HRS No.	Product Number	Color of Casing
CL702-0006-7	PF2-RD1	Black
CL702-0006-7(01)	PF2-RD1(01)	Blue

Suitable Optical Receive/Emit Elements

LED: LN145W (Matsushita Electronics Corporation)

Photodiode: PN335 (Matsushita Electronics Corporation)

Phototransistor: PN116 (Matsushita Electronics Corporation)

◆Printed Circuit Board Dimensions Diagram

