LGC-500 SERIES

(JIS C5972: F03 Single-Core Optical Fiber Connectors)

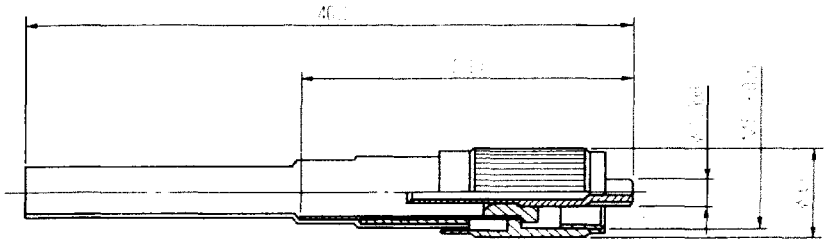
- ○ Small size and light weight
- ○ Zirconia ferrules are newly available, in addition to the press ferrules (G1).

Key specifications

Item (conditions)		Standard value
Insertion loss	Plug 50/125G I surface grinding	1.0dB or less (average 0.63dB)
	10/125SM projected spherical grinding	0.7dB or less (average 0.19dB)
Compatible optical fiber cord		OFC2.8-Y-SSM-10/125 (JIS C6820)
		OFC2.8-Y-SG I -50/125 (JIS C6820)

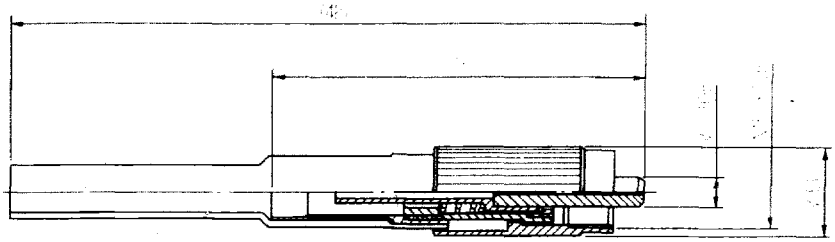
■ PLUG

● LGC-P50( )



Note: This figure shows the temporarily mounted plug.
The product is not assembled in the form of part.

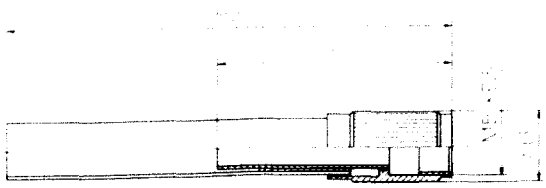
● LGC-PS50( )



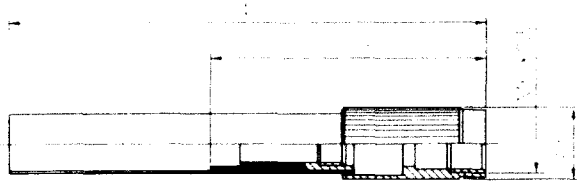
Part No.	JIS No.	Components
LGC-P504	CNF03PPM124E1	LGC-PH501+LGC-PF504
LGC-P506	CNF03SPM126E1	LGC-PH501+LGC-PF506
LGC-P508	CNF03SPM128E1	LGC-PH501+LGC-PF508
LGC-PS503	CNF03SPM123D1	LGC-PH502+LGC-PF503B
LGC-PS504	CNF03SPM124D1	LGC-PH502+LGC-PF504B
LGC-PS505	CNF03SPM125D1	LGC-PH502+LGC-PF505B
LGC-PS506	CNF03SPM126D1	LGC-PH502+LGC-PF506B
LGC-PS507	CNF03SPM127D1	LGC-PH502+LGC-PF507B
LGC-PS508	CNF03SPM128D1	LGC-PH502+LGC-PF508B

■ PLUG HOUSING

● LGC-PH501



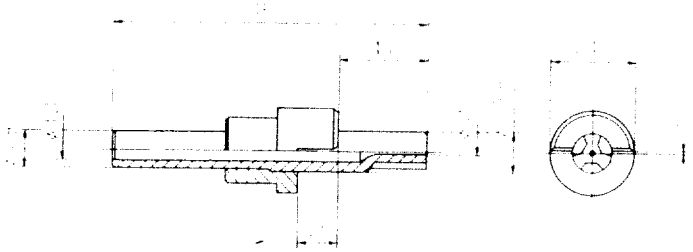
● LGC-PH502



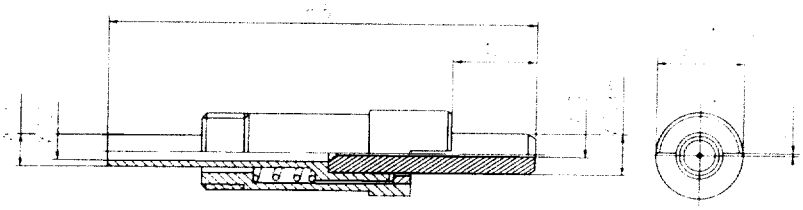
These figures show the temporarily mounted housing.
The product is not assembled in the form of part.

■ FERRULE

● Press ferrule LGC-PF50( )



● Zirconia ferrule LGC-PFS50( )

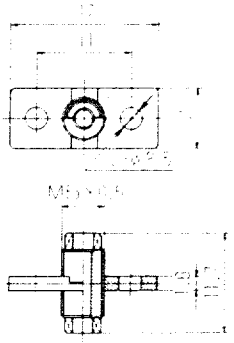


Part No.	φd(mm)
LGC-PF504	0.124
LGC-PF506	0.126
LGC-PF508	0.128
LGC-PFS503	0.123
LGC-PFS504	0.124
LGC-PFS505	0.125
LGC-PFS506	0.126
LGC-PFS507	0.127
LGC-PFS508	0.128

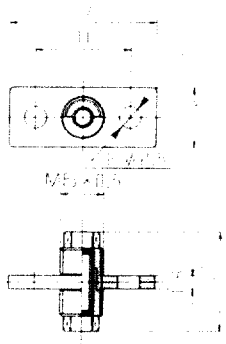
Note: LGC-PF50( ) cannot be used for the single-mode fiber.

■ ADAPTOR

● LGC-A501



● LGC-AS501

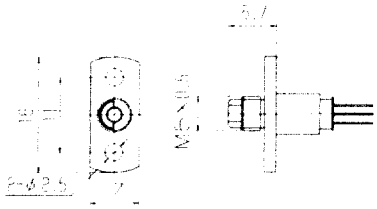


Part No.	JIS No.
LGC-A501	CNF03PAFE
LGC-AS501	CNF03PAFD

Note: LGC-AS501 is to be used in combination with the LGC-PS50( ) plug.

■ LIGHT EMITTING ELEMENT MODULE

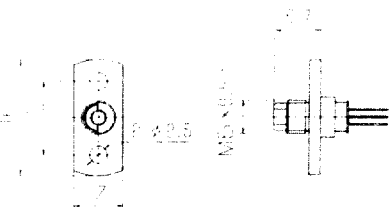
● LGC-M500ED08-01



Item	Performance	Conditions
Fiber connected light output	70μW	I_F=100mA, 50/125GI 1m
Wavelength (center)	850nm	I_F=100mA
Forward voltage	2V	I_F=100mA
Spectrum half-value width	45nm	I_F=100mA
Forward voltage	150mA	
Backward voltage	2V	
Operating temperature	-10~60°C	

■ LIGHT RECEIVING ELEMENT MODULE

● LGC-M500PI08-01



Item	Performance	Conditions
Quantum efficiency	65%	V_R=10V, λ=850nm
Rise time	1ns	V_R=10V, λ=850nm
Fall time	1ns	R_L=50Ω
Dark current	1nA	V_R=10V
Capacity between terminals	2pF	V_R=10V, f=1MHz
Wavelength range	500-1100nm	
Forward voltage	100mA	
Backward voltage	100V	
Operating temperaure	-10~60°C	