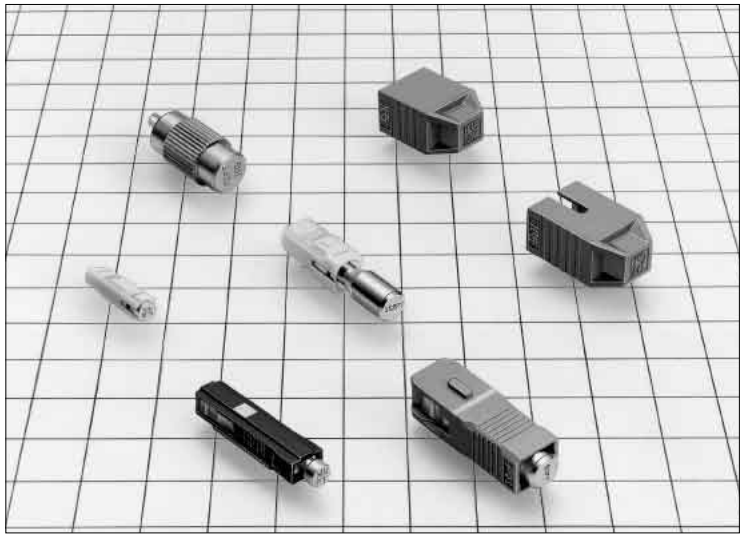
Optical Terminators



■Features

1. Wide varieties of HRS terminators.

2.Excellent operational qualities.

3.Dual wavelength : 1310nm and 1550nm for MU terminators.

4.Please contact us if you have any requests. Hirose will offer excellent solutions to meet your requirements.

■Applications

Termination of open ends in optical fiber communication networks.

■Product Specifications

Ratings	Operating temperature range	-25°C to +70°C	Storage temperature range	-25°C to +85°C
	Max. Input Power	FC, SC (Plug) : 30mW SC (Receptacle) : 10mW MU (Plug) : 250mW	Fiber type	SM-9.5/125

Item			Test Method	Specifications
Optical Characteristics	Return Loss (AdPC polishing)	FC	Wavelength 1310nm (LD)	45dB min.
		SC		40dB min.
		MU	Wavelength 1310nm and 1550nm	
Mechanical Characteristics	Durability (cycles, mating/unmating)		500 times	1) Meets Return Loss requirements. 2) No breakage, crack or Looseness on components.
	Vibration		Sweep range : 10 to 55Hz, duration : 3h in each 3 mutually perpendicular direction	
	Shock		Acceleration : 981m/s² : nember of shock : 3 times in each 3 mutually perpendicular direction, total 18 times.	
Environmental Characteristics	Composite temperature - humidity cyclic test		Humidity: 90% to 96% Temperature: -10°C to +65°C Duration: 10 cycles (240h)	
	Change of Temperature		Temperature: -25°C to +70°C, Time : 400 hours (100 cycles)	
	Dry Heat		Temp: 85°C Duration: 500h	
	Cold		Temp: -25°C Duration: 500h	
	Salt Mist		Conentration: 5% Duration: 48h	No corrosion.

■Materials

●HRFC Plug type

Part	Material
Coupling	Copper alloy
Body	Stainless steel
Ferrule	Zirconia

●HSC Receptacle type

Part	Material
Body	Synthetic resin

●HSC Plug type

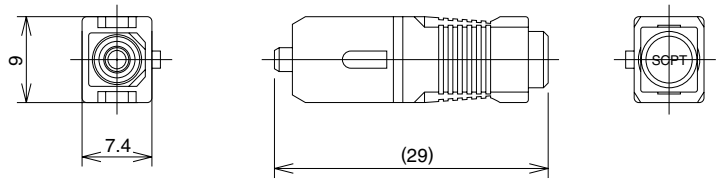
Part	Material
Body	Synthetic resin
Ferrule	Zirconia

●HMU Plug type

Part	Material
Body	Synthetic resin
Ferrule	Zirconia

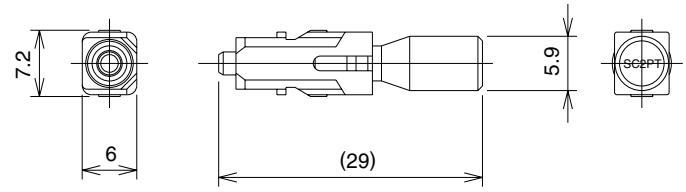
■Plug type

●SC



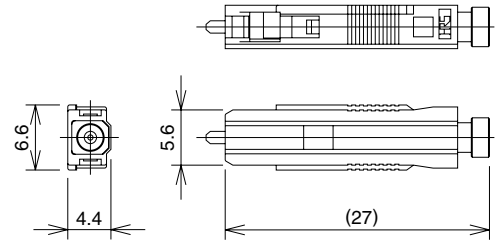
Part Number	CL No.	Return loss	Max. Input Power
HSC-TM-P1 (40)	821-0005-0-40	≧40dB	30mW

●SC - Tool Insertion/Removal



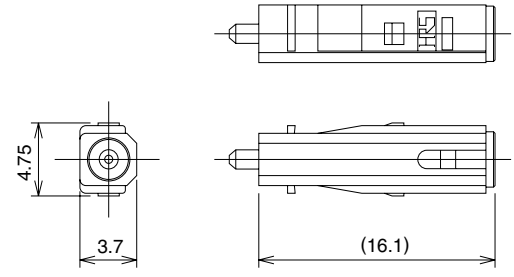
Part Number	CL No.	Return loss	Max. Input Power
HSC2-TM-P1 (40)	821-0004-8-40	≧40dB	30mW

●MU



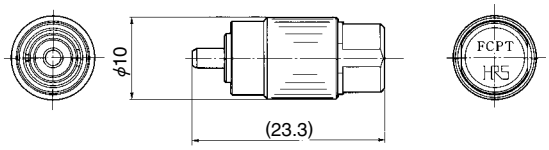
Part Number	CL No.	Return loss	Max. Input Power
HMUA-TM-P2 (60)	821-0009-1-60	≧40dB	250mW

●MU - Tool Insertion/Removal



Part Number	CL No.	Return loss	Max. Input Power
HMUAJ-TM-P2 (60)	821-0010-0-60	≧40dB	250mW

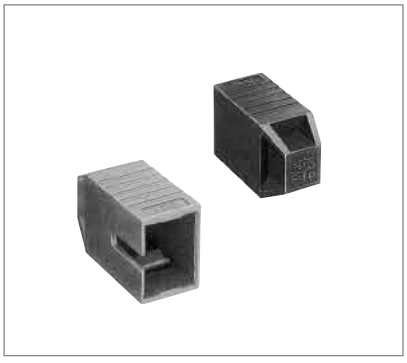
●FC

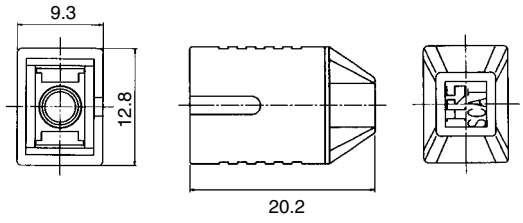


Part Number	CL No.	Return loss	Max. Input Power
HRFC-TM-P1 (60)	821-0006-3-60	≧45dB	30mW

■Receptacle type

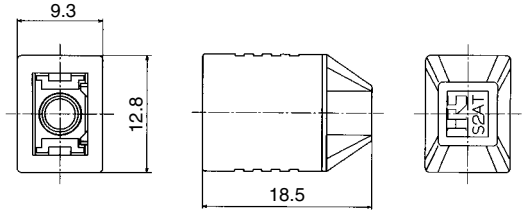
●SC manual coupling / decoupling type





Part Number	CL No.	Return loss	Max. Input Power
HSC-TM-R1 (40)	821-0001-0-40	≧40dB	10mW

●SC tool decoupling type



Part Number	CL No.	Return loss	Max. Input Power
HSC2-TM-R1 (40)	821-0003-5-40	≧40dB	10mW

Mouser Electronics

Authorized Distributor

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HSC-TM-P1(40) HRFC-TM-P1(40) HSC2-TM-P1(40) HSC2-TM-R1(40) HRFC-TM-P1(61) HRFC-TM-P1(60) HSC-TM-R1(40)