



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

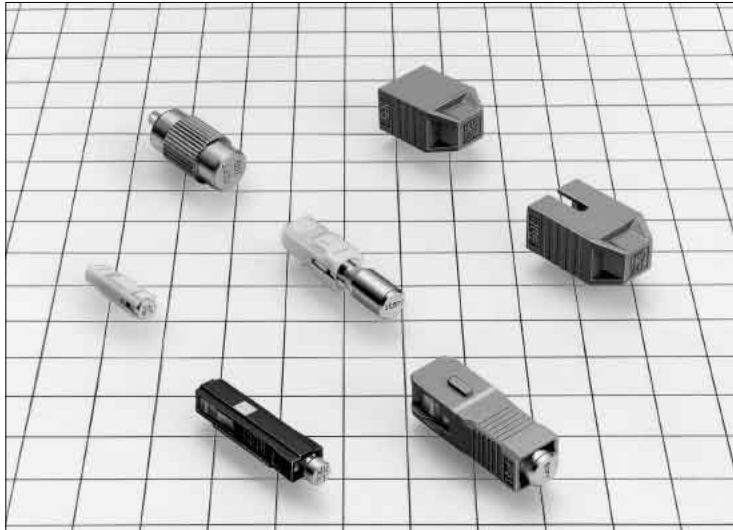
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# Optical Terminators



## ■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	45dB min.
		SC	
		MU	40dB min.
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/s <sup>2</sup> : number 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	Concentration: 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

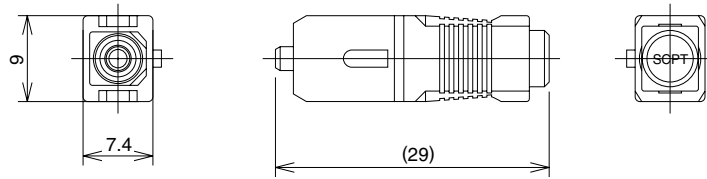
Part	Material
Body	Synthetic resin
Ferrule	Zirconia

### ●HMU Plug type

Part	Material
Body	Synthetic resin
Ferrule	Zirconia

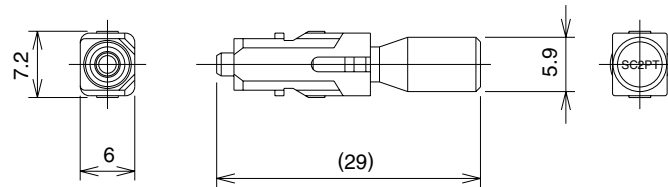
## ■ Plug type

### ● SC



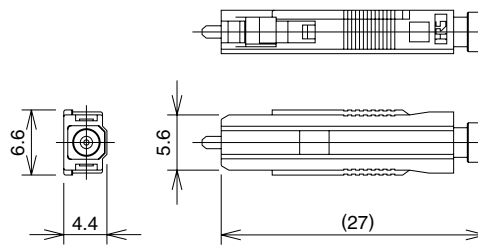
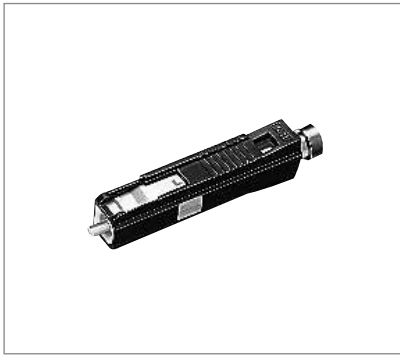
Part Number	CL No.	Return loss	Max. Input Power
HSC-TM-P1 (40)	821-0005-0-40	≥40dB	30mW

### ● SC - Tool Insertion/Removal



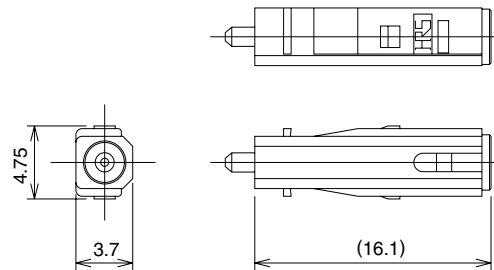
Part Number	CL No.	Return loss	Max. Input Power
HSC2-TM-P1 (40)	821-0004-8-40	≥40dB	30mW

### ● MU



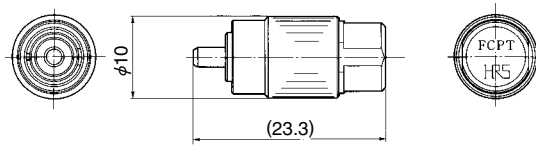
Part Number	CL No.	Return loss	Max. Input Power
HMUA-TM-P2 (60)	821-0009-1-60	≥40dB	250mW

### ● MU - Tool Insertion/Removal



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

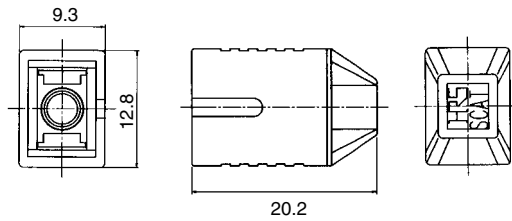
●FC



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

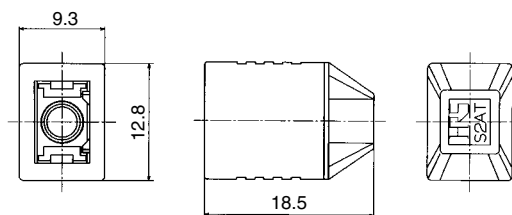
■Receptacle type

●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

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SC

FC

MU

Harsh Environment

Attenuators

Terminators

POF / PCF