Optical Variable Attenuators

HRLA Series



■Features

1. The attenuation can be set for attenuation range of 1 to 6 dB.
2. Air gap method offers efficient attenuation.
3. Available in Plug-Jack configurations.
4. Support FC type (JIC C 5970) optical fiber connectors.
5. Please contact us if you have any requests. Hirose will offer excellents solutions to meet your requirments.

■Applications

Power level adjustment of optical fiber communication networks.

■Product Specifications

Ratings	Operating temperature range	0℃ to +30℃	Storage temperature range	-40℃ to +60℃
	Max. Input Power	30mW	Fiber type	SM

Item		Test Method	Specifications
Optical Performance	Maximum Return Loss	Wavelength 1310nm (LD)	Depending on individual products
	Return Loss	Wavelength 1310nm (LD)	40dB min.
Mechanical Performance	Adapter gauge holding force	Zirconia gauge of 2.499 ±0.0005 mm diameter	2.0N to 5.9N
Environmental Performance	Temperature cycle	Temperature:0℃→0℃ to +30℃→ +30℃→+30℃ to 0℃ Duration: 60 → 60 → 60 → 60(Minutes) 100 cycles	1)Meets Attenuation/Return Loss requirements. 2)No breakage, cracks, or parts dislocation.

■Materials

Part	Material
Body	Stainless steel
Ferrule	Zirconia
Split sleeve	Copper alloy

■Ordering Information

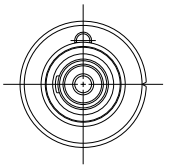
HRLA - C 1 M L - 06 PJ
❶ ❷ ❸ ❹ ❺ ❻ ❼

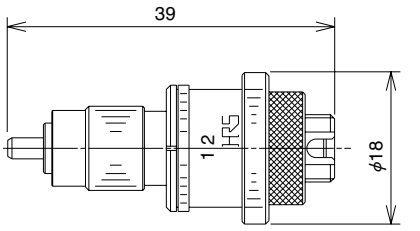
❶	Indicates the attenuator	
❷	Attenuator type	C: Continuously variable attenuator
❸	Optical connector	1: FC-type
❹	Fiber type	M: SM-9.5/125
❺	Wavelength band	L: 1.0 to 1.8μm
❻	Maximum nominal attenuation (dB)	
❼	Connector Type	PJ: Panel-jack type

■Optical Variable Attenuators

●Plug-jack type







Part Number	CL No.	Attenuation Variable Range	Return loss
HRLA-C1ML-06-PJ	820-2001-4	1～6 dB	40dB min.

✻Please scale as a guide.