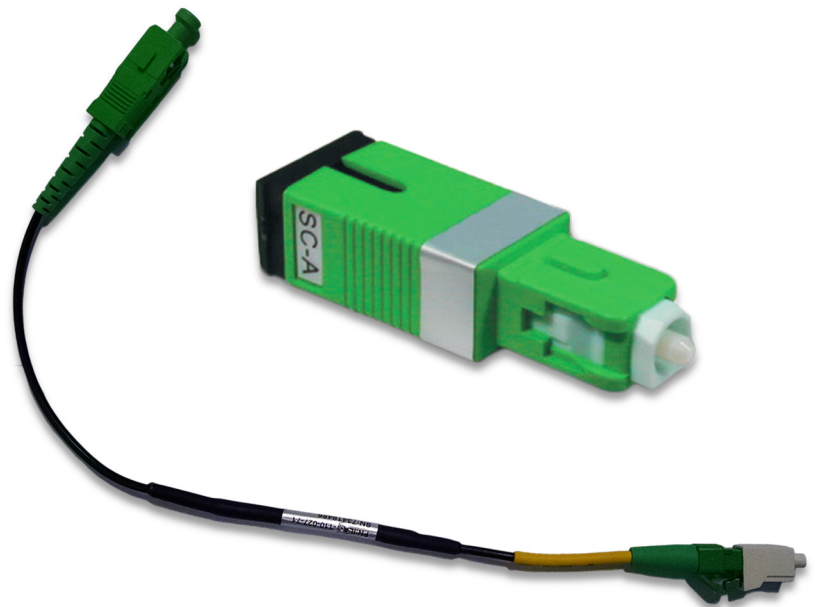


Optical Inline Attenuators

FEATURES

- Attenuation range from 1 to 10* dB
- Bulkhead and jumper style options available
- High Performance/Low Loss
- Ideal for adding loss to any optical link



PRODUCT OVERVIEW

ARRIS fixed inline attenuators are an ideal attenuation option when additional loss is required for any optical link. Featuring a wide range of attenuation options and connector types in both bulkhead style and jumper style formats. These attenuators can be installed in both indoor and outdoor fiber optic devices.

* Jumper style maximum attenuation is 5 dB

JUMPER STYLE ATTENUATOR SPECIFICATIONS

Optical Performance

Characteristics	Specifications	
Optical Operating Wavelength	1460 – 1625 nm	
Insertion Loss @ 1550 nm, max.	1.0 ± 0.3 dB	6.0 ± 0.6 dB
	2.0 ± 0.4 dB	7.0 ± 0.6 dB
	3.0 ± 0.4 dB	8.0 ± 0.6 dB
	4.0 ± 0.5 dB	9.0 ± 0.6 dB
	5.0 ± 0.5 dB	
WDL, max.	0.5 dB for 1 – 3 dB attenuator	
	0.6 dB for 4 – 5 dB attenuator	
	1.2 dB for 6 – 9 dB attenuator	
Insertion Loss Excluding Connector	0.3 dB typical, 0.5 dB max.	

General Optical Performance

Return Loss, min.	45 dB
Polarization Dependent Loss, max.	0.15 dB

BULKHEAD STYLE ATTENUATOR SPECIFICATIONS

Optical Performance

Characteristics	Specifications	
Optical Operating Wavelength	1310 ± 40 nm	
	1550 ± 40 nm	
	1625 ± 25 nm	
Insertion Loss	1.0 ± 0.5 dB	6.0 ± 0.6 dB
	2.0 ± 0.5 dB	7.0 ± 0.7 dB
	3.0 ± 0.5 dB	8.0 ± 0.8 dB
	4.0 ± 0.5 dB	9.0 ± 0.9 dB
	5.0 ± 0.5 dB	10.0 ± 1.0 dB

General Optical Performance

Return Loss, min.	30 dB
Operating Temperature	-40°c to +85°c

RELATED PRODUCTS

CHP Max5000® Chassis	Transmitters
Optical Nodes	Optical Passives

JUMPER STYLE ATTENUATOR ORDERING INFORMATION

Part Number	Description
ILA-1-110-027-71	CABLE ASSY FO INLINE ATT 1DB 11.0IN LC/APC – SC/APC
ILA-2-110-027-71	CABLE ASSY FO INLINE ATT 2DB 11.0IN LC/APC– SC/APC
ILA-3-110-027-71	CABLE ASSY FO INLINE ATT 3DB 11.0IN LC/APC– SC/APC
ILA-4-110-027-71	CABLE ASSY FO INLINE ATT 4DB 11.0IN LC/APC– SC/APC
ILA-5-110-027-71	CABLE ASSY FO INLINE ATT 5DB 11.0IN LC/APC– SC/APC
ILA-1-110-027-11	CABLE ASSY FO INLINE ATT 1DB 11.0IN SCA – SC/APC
ILA-2-110-027-11	CABLE ASSY FO INLINE ATT 2DB 11.0IN SCA – SC/APC
ILA-3-110-027-11	CABLE ASSY FO INLINE ATT 3DB 11.0IN SCA – SC/APC
ILA-4-110-027-11	CABLE ASSY FO INLINE ATT 4DB 11.0IN SCA – SC/APC
ILA-5-110-027-11	CABLE ASSY FO INLINE ATT 5DB 11.0IN SCA – SC/APC

BULKHEAD STYLE ATTENUATOR ORDERING INFORMATION

Part Number	Description
1510158-001	ATTENUATOR SC/APC 1DB FIXED PLUG-IN CONNECTOR TYPE DUAL WAVE
1510158-002	ATTENUATOR SC/APC 2DB FIXED PLUG-IN CONNECTOR TYPE DUAL WAVE
1510158-003	ATTENUATOR SC/APC 3DB FIXED PLUG-IN CONNECTOR TYPE DUAL WAVE
1510158-004	ATTENUATOR SC/APC 4DB FIXED PLUG-IN CONNECTOR TYPE DUAL WAVE
1510158-005	ATTENUATOR SC/APC 5DB FIXED PLUG-IN CONNECTOR TYPE DUAL WAVE
1510158-006	ATTENUATOR SC/APC 6DB FIXED PLUG-IN CONNECTOR TYPE DUAL WAVE
1510158-007	ATTENUATOR SC/APC 7DB FIXED PLUG-IN CONNECTOR TYPE DUAL WAVE
1510158-008	ATTENUATOR SC/APC 8DB FIXED PLUG-IN CONNECTOR TYPE DUAL WAVE
1510158-009	ATTENUATOR SC/APC 9DB FIXED PLUG-IN CONNECTOR TYPE DUAL WAVE
1510158-010	ATTENUATOR SC/APC 10DB FIXED PLUG-IN CONNECTOR TYPE DUAL WAVE

Customer Care

Contact Customer Care for product information and sales:

- United States: 866-36-ARRIS
- International: +1-678-473-5656

Note: Specifications are subject to change without notice.

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Optical Attenuator