



Fiber Optic Isolator

Nanovation's Fiber Optic Isolator transmits the light in one direction, but blocks the reflected light in the reverse direction. The Bellcore GR-1209-CORE-compliant product offers low insertion loss, high optical isolation and excellent environmental stability. Nanovation's Fiber Optic Isolators are available as polarization dependent and independent, depending on the application.

Features

- High isolation
- Low insertion loss
- Epoxy-Free optical path
- Highly stability and reliability



Applications

- Fiber optic amplifiers
- High-speed DFB lasers
- CATV fiber optic links
- WDM systems
- Transmitters and fiber lasers

Optical Parameters

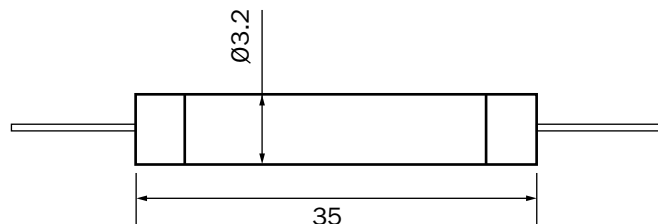
Parameter	Single Stage		Dual Stage	
Wavelength Range (nm)	1310(±20), 1550(±20)			
Grade	P	A	P	A
Maximum Insertion Loss (dB)	0.4	0.6	0.6	0.8
Peak Isolation Typical (dB)	42	40	58	53
Minimum Isolation (23°Ê) (dB)	32	30	46	45
Polarization Dependent Loss (dB)	0.05	0.15	0.05	0.15
Polarization Mode Dispersion (ps)	0.20	0.25	0.05	0.10
Return Loss (dB)	65/60	60/55	65/60	60/55
Maximum Power Handling (mw)	300			
Maximum Tensile Load (N)	5			
Operating Temperature (°C)	-20 to +60 (PD: +75)			
Storage Temperature (°C)	-40 to +85			



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Mechanical Packaging Diagram (mm)

(All dimensions are in mm; drawings are not to scale.)



Ordering Information

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	Connector Type
0:	No connector
1:	FC/UPC (standard)
2:	FC/APC
3:	SC/UPC
4:	SC/APC
5:	LC
6:	FC
7:	SC
8:	ST
9:	Other
	Pigtail Fiber Length
0:	Standard length = 1 m (standard)
1:	User specify
	Fiber Type
0:	Standard single-mode (standard)
1:	User specify
	Grade
A:	A Grade
P:	P Grade
	Polarization Dependency
I:	Polarization Independent
D:	Polarization Dependent
	Stage
S:	Single Stage
D:	Dual Stage
	Wavelength
131:	1310nm
155::	1550nm

To order or for additional information, please contact us at:

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