



Fiberoptic Isolator

Fiberoptic Isolator minimizes back reflection and backscattering in the reverse direction at any polarization state and low polarization mode dispersion (PMD). The optical path is epoxy free, thereby enabling high-power applications. They are based on metallized solder package technology and featured with the best stability and reliability. This product meets the Telcordia GR-1221-CORE.

Features of our Isolator:

Low insertion loss
High Stable and Reliable
Optical Path Epoxy-free
Low PDL and PMD

Applications for our Isolator:

EDFA
Raman Amplifiers
Transmitters and fiber lasers
WDM systems

Specifications

Parameter	Unit	Value			
		Single Stage		Dual Stage	
		P-grade	A-grade	P-grade	A-grade
Operating Wavelength Range	nm	C band: 1528nm ~1564nm L band: 1570nm~1605nm, 1310+/-15, 1460+/-15,1480+/-15			
Insertion loss (Max.) (23C over operating wavelength range)	dB	0.5	0.6	0.6	0.7
TDL (max.) (over full operation temperature)	dB	0.1	0.15	0.1	0.15
Isolation (min.) (23C over operating wavelength range)	dB	30	30	46	46
Return loss (input/output ports) (Min.)	dB	60/60	60/55	60/60	60/55
PDL (Max.)	dB	0.1	0.15	0.1	0.15
PMD (Max.)	ps	0.2 (0.05)	0.2(0.05)	0.05	0.05
Maximum optical power	mW	500			
Maximum tensile load	N	5			
Operation temperature	°C	-10~+65			
Storage Temperature	°C	-40~+85			
Standard package size	mm	Diam. 5.5x32		Diam. 5.5x34	
Mini type package size	mm	Diam. 3.8x22		Diam. 3.8x25	

Note: Values are referenced without connector loss

For optional PMD <0.05ps is for the mini-model...add 0.05dB IL

- Standard or Mini package
- ISO Type: PIS, PID, PIL
- Wavelength: 1310nm, 1550nm
- Grade: P grade, A grade
- Fiber diameter: 250um, 900um
- Fiber length: 1m, customer request
- Connector: none, FC/PC, FC/APC, SC/PC, SC/APC, LC/PC, LC/APC

We have unbeatable low price for this product.