Single Stage Optical Isolator

Specifications

Parameter		Unit	Ultra	Premium	A Grade
Center Wavelength λc	-	nm	1310, 1550, 1590		
Peak Isolation	Min.	dB	42	42	40
Isolation (λc ± 15nm, 23°C, all SOP)	Min.	dB	32	32	30
Isolation (λc ± 15nm, 0 - 70°C, all SOP)	Min.	dB	22	22	20
Insertion Loss (λc, 23°C)	Typ..	dB	0.2	0.3	0.4
Insertion Loss (λc ± 20nm, 0 - 70°C, All SOP)	Max.	dB	0.3	0.4	0.6
Return Loss (input/output)	Min.	dB	65 / 60	65 / 60	60 / 60
Polarization Dependent Loss	Max.	dB	0.05	0.05	0.1
Polarization Mode Dispersion	Max.	ps	0.2	0.2	0.2
Operating Temperature		°C	0 to 70		
Storage Temperature		°C	-40 to 85		
Mechanical Package		mm	Φ5.5 x 32		

Note: Return loss without connector; insertion loss does not include connector

Features / Benefits

- Wide operating wavelength range
- Low insertion loss
- High isolation
- Ultra low PDL
- Epoxy-free optical path

Applications

- EDFAs
- Fiber optic instruments
- WDM and DWDM optical systems
- Transmitters and fiber lasers
- CATV fiber optic links

Ordering Information

I	S	O	S									

Type	Wavelength Range	Grade	Fiber Type	Fiber Length	Pigtail type	Connector Type
S= Single stage	1310= 1310 nm 1550= 1550 nm 1590= 1590 nm	U= Ultra P= Premium A= A Grade	1= SMF-28	0=0.5 m 1=1 m 2=2 m 3=3 m	0=250 μm 1=900 μm loose tube	0=None 1=FC/PC 2=FC/SPC 3=FC/APC 4=SC/SPC 5=SC/APC 6=ST 7=FC/UPC 8=SC/UPC 9=MU A=LC

This product information is subject to change without notice.