Polarization-Insensitive Isolator

Product Features

- High Isolation
- Low Insertion Loss
- High Return Loss
- Epoxy Free Optical Path

Product Applications

- EDFAs
- Fiber Lasers
- DWDM Systems
- Fiber Optics Communication Equipments

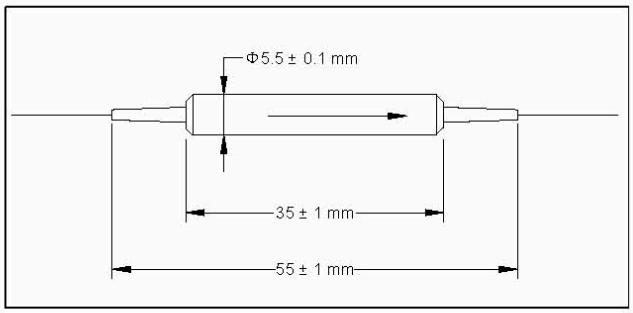
Specifications

Parameter		Unit	Premium	A grade	Premium	A grade
Stage			Single Stage		Dual Stage	
Central Wavelength (λc)		nm	1310,1480 or 1550			
Peak Isolation	Typ.	dB	42	40	58	55
Isolation, λc±10nm, 23°C	Min.	dB	30	29	46	45
Insertion Loss, λc, 23°C	Typ.	dB	0.35	0.5	0.4	0.6
Insertion Loss, λc±20nm*	Max.	dB	0.5	0.7	0.6	0.9
Polarization Dependent Loss, 23°C	Max.	dB	0.05	0.1	0.05	0.15
Polarization Mode Dispersion	Max.	ps	0.20	0.25	0.05	0.07
Return Loss (Input/Output)	Min.	dB	60/55			
Optical Power (Continuous Wave)	Max.	mW	300			
Tensile Load	Max.	N	5			
Operating Temperature		°C	-5 to +70			
Storage Temperature		°C	-40 to +85			

IL is 0.3 dB higher, RL is 5 dB lower for each connector added.

*All Temperature

Package Dimensions



Ordering Information

P	I	I	S										
				Stage D=Dual S=Single	Wavelength 4=1550nm 5=1480nm 7=1310nm	Grade P=Premium A=A grade	PMD 1=0.05 ps max. 2=Refer to above spec.	Package C= Ø5.5 x L35	Pigtail S=250μm bare fiber pigtail M=0.9mm loose tube	Fiber Type S=G652 or Equivalent	Fiber Length 0=0.5m 1=0.75m 2=1.0m	Connector 0=None 3=FC/APC 5=SC/APC 7=FC/UPC 8=SC/UPC

Note: All specifications are before connectors and are subject to change without notice.

COMCORE