



Dual Stage Optical Isolator

Features/Benefits

- Wide operating wavelength range
- Low insertion loss
- Very 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

Specifications

Parameter		Unit	Ultra	Premium	A Grade
Center Wavelength λ_c	-	nm	1310, 1550, 1590		
Peak Isolation	Min.	dB	65	58	55
Isolation ($\lambda_c \pm 15$ nm, 23 °C, all SOP)	Min.	dB	60	-	-
Isolation ($\lambda_c \pm 30$ nm, 23 °C, all SOP)	Min.	dB	50	46	45
Isolation ($\lambda_c \pm 50$ nm, 23 °C, all SOP)	Min.	dB	45	-	-
Isolation ($\lambda_c \pm 15$ nm, 0 - 70°C, all SOP)	Min.	dB	42	38	34
Insertion Loss (λ_c , 23 °C)	Typ..	dB	0.4	0.4	0.6
Insertion Loss ($\lambda_c \pm 20$ nm, 0 - 70°C, All SOP)	Max.	dB	0.6	0.6	0.8
Return Loss (input/output)	Min.	dB	60/55	60/55	60/55
Polarization Dependent Loss	Max.	dB	0.1	0.05	0.1
Polarization Mode Dispersion	Max.	ps	0.05	0.05	0.05
Operating Temperature		°C	0 to 70		
Storage Temperature		°C	-40 to 85		
Power Handling	Max.	mW	500		
Mechanical Package		mm	Φ5.5 x 32		

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

Ordering Information

I	S	O	D								
Type	Wavelength Range		Grade	Fiber Type	Fiber Length	Pigtail type	Connector Type				
D= Dual stage	1310=	1310 nm	U= Ultra	1= SMF-28	0=0.5 m	0=250 μ m	0=None				
	1550=	1550 nm	P= Premium		1=1 m	1=900 μ m	1=FC/PC				
	1590=	1590 nm	A= A Grade		2=2 m	loose tube	2=FC/SPC				
					3=3 m		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.



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