

Hybrid Component-WDM Isolator

Specifications

Parameters	Unit	Single Stage	Dual Stage	Single Stage	Dual Stage
Center Wavelength	nm	1550 / 980		1550 / 1480	
Signal Channel Wavelength (λ_s)	nm	1520 ~ 1580		1530 ~ 1570	
Pump Channel Wavelength (λ_p)	nm	965 ~ 995		1465 ~ 1495	
Crosstalk (Signal Channel, λ_p , 23°C, any SOP)	Min. dB	30			
Crosstalk (Pump Channel, λ_s , 23°C, any SOP)	Min. dB	15			
Isolation (λ_s , 23°C, any SOP)	Min. dB	26	45	30	46
Insertion Loss (λ_s , 23°C, any SOP)	Max. dB	0.9	1.1	0.9	1.1
Insertion Loss (λ_p , 23°C, any SOP)	Max. dB	0.5			
Ripple	Max. dB	0.3			
TDL	Max. dB/°C	0.004			
Directivity	Min. dB	55			
PDL	Max. dB	0.1			
PMD	Max. ps	0.05			
Return Loss	Min. dB	45			
Fiber Type		SMF-28 or HI1060			
Fiber Length	Min. m	1.0			
Power Handling	Max. mW	1000			
Operating Temperature	°C	0 ~ 70			
Storage Temperature	°C	-40 ~ 85			
Package Dimension	mm	(Φ)5.5 x 39			

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

Ordering Information

I	S	D	M									
Type	Pump Wavelength	Fiber Type (Signal)	Fiber Type (pump)	Fiber Type (Common)	Fiber Length	Pigtail	Connector Type					
S= Single Stage			1=SMF28	1=SMF28	0=0.5m	1=250μm	0=None					
D= Dual Stage	98=980nm	1=SMF28	3=	3=	1=1.0m	Bare fiber	1=FC/PC					
	48=1480nm		HI1060FLEX	HI1060FLEX	2=1.5m	2=0.9mm	2=FC/SPC					
					3=2.0m	loose tube	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.



Features / Benefits

- Wide operating wavelength range
- Compact size
- High isolation

Applications

- EDFAs
- Fiber optic instruments

