HJ OPTRONICS

4055 Filan Way
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United States

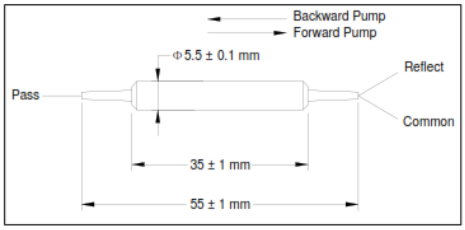
Isolator/Wavelength Division Multiplexer Hybrid 1310/1550 or 1480/1550 (IWDM)

Model #: IWDM
Description: 1310/1550 or 1480/1550 nm isolator/WDM hybrids
Application: Fiber amplifier, fiber laser.
Specifications:

Parameter	Unit	Specifications**	
		Single Stage	Dual Stage
Pass Band			
Signal Wavelength	nm	1530 - 1580	
Typ. Insertion Loss	dB	0.5	0.7
Max. Insertion Loss	dB	0.8	1.0
Typ. Peak of Signal Isolation	dB	40	55
Min. Signal Isolation (1550 ± 10 nm for single stage, 1550 ± 30 nm for dual stage, 23 °C)	dB	30	45
Max. Polarization Dependent Loss	dB	0.1	0.15
Max. Polarization Mode Dispersion	ps	0.25*	0.05
Reflection Band			
Wavelength Range	nm	1270 – 1350 or 1450 - 1490	
Max. Insertion Loss	dB	0.5	
Min. Insertion Loss	dB	0.3	
Max. Polarization Dependent Loss	dB	0.1	
Min. Return Loss	dB	50	
Max. Optical Power (CW)	mW	300	
Max. Tensile Load	N	5	
Operating Temperature	°C	-5 to +70	
Storage Temperature	°C	-40 to + 85	
Dimension	mm	5.5 (D) x 35 (L)	
Fiber Type		SMF-28 fiber	

* Low PMD (<0.05ps) version is available;

** Each connector may contribute extra 0.3 dB IL, 5 dB lower RL.



Order Information:

1480/1550 type: IWDM-48-A-B-C-D-E-F **1310/1550 type: IWDM-**31-A-B-C-D-E-F

A: pump method	B: isolate stage	C: PMD	D: connector type	E: fiber jacket	F: fiber length
1 – forward pump	1 – single stage	1 – < 0.05 ps	1 - FC/UPC	B - 250μm bare fiber	1 – 1.0 m
2 – backward pump	2 – dual stage	2 – Specified above	2 - FC/APC	L - 900 μm loss tube	X - other
			3 - SC/UPC	X - other	
			4 - SC/APC		
			N - none		
			X - other		