

Isolator Hybrid: WDM + Isolator

(980/1550, 980/1590nm)

Specifications

Contact Hengyan Photonics with your custom specification needs.

Parameter				Unit	Single Stage		Dual Stage
Signal Channel	Wavelength			nm	1550±20, or 1590±20		
	Isolation (23°C, All SOP)	λ_c	Typ.	dB	35	50	
		$\lambda_c\pm 20$	Min	dB	30	44	
	Channel Isolation (λ_c 23°C, All SOP)			Min	dB	30	
	Insertion Loss (All SOP)	λ_c (23°C)	Typ.	dB	0.8	1.0	
$\lambda_c\pm 20$ (-5 to 70°C)		Max	dB	1.1	1.3		
Pump Channel	Wavelength			nm	980±15		
	Channel Isolation (λ_c 23°C, All SOP)		Min	dB	14		
	Insertion Loss (All SOP)	λ_c (23°C)	Typ.	dB	0.4		
		$\lambda_c\pm 15$ (-5 to 70°C)	Max	dB	0.6		
PDL				Max	dB	0.1	
PMD				Max	ps	0.1/0.25^	0.1
Return Loss				Min	dB	55	
Directivity				Min	dB	50	
Optical Power Handling				mW	300		
Package Dimension				mm	Φ5.5 x L35		
Operation Temperature				°C	-5 to 70		
Storage Temperature				°C	-40 to 85		

* The above specifications are for parts without connectors. Adding connectors can affect the IL, RL, & PDL.

* SOP=State of Polarization

^ Max PMD is 0.25 for non-compensated single-stage parts.

Ordering Information

Contact Hengyan Photonics with your custom configuration needs.

IWDM	Wavelengths	Stages	Pump Type	Fiber Type	Fiber Length	Connector
IWDM	95=980/1550nm 99=980/1590nm	S=Single Stage D=Dual Stage	F=Forward Pump B=Backward Pump	B=SMF-28, 250um L= SMF-28, 900um	10=1.0m 15=1.5m 20=2.0m 30=3.0m	NE=None FA=FC/APC FC=FC/PC SA=SC/APC SC=SC/PC ST=ST/PC LA=LC/APC LC=LC/PC
	X=Others			X=Others	X=Others	
						X=Others

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Package Dimensions

