

ISOLATOR HYBRID: WDM + ISOLATOR (980/1550, 980/1590nm)

Specifications

Contact Ascentta with your custom specification needs.

Parameter				Unit	Single Stage	Dual Stage
Signal Channel	Wavelength (λ_c)			nm	1550 \pm 20, or 1590 \pm 20	
	Isolation (All SOP)	(λ_c , 23°C)	Typ.	dB	40	50
		(23°C)	Min	dB	30	44
	Channel Isolation (23°C, All SOP)			Min	dB	30
	Insertion Loss (All SOP)	(23°C)	Typ.	dB	0.8	1.0
(-5 to 70°C)		Max	dB	1.1	1.3	
Pump Channel	Wavelength			nm	980 \pm 15	
	Channel Isolation (23°C, All SOP)			Min	dB	14
	Insertion Loss (All SOP)	(23°C)	Typ.	dB	0.4	
		(-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	55
Optical Power Handling				mW	300	
Package Dimension				mm	Φ 5.5 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.

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

* SOP=State of Polarization

Ordering Information

Contact Ascentta 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

