

ISOLATOR HYBRID: WDM + ISOLATOR (1480/1550, 1480/1590nm)

Specifications

Contact Ascentta with your custom specification needs.

Parameter				Unit	Single Stage	Dual Stage
Signal Channel	Wavelength			Nm	1550±20, or 1590±20	
	Isolation (All SOP)	(λc, 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	0.7	0.8
(-5 to 70°C)		Max	dB	0.9	1.0	
Pump Channel	Wavelength			nm	1480±20	
	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	0.10/0.25*	0.10
Return Loss			Min	dB	55	
Directivity			Min	dB	60	
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.

* 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	45=1480/1550nm	S=Single Stage	F=Forward Pump	B=SMF-28, 250um	10=1.0m	NE=None
	49=1480/1590nm	D=Dual Stage	B=Backward Pump	L= SMF-28, 900um	15=1.5m	FA=FC/APC
	X=Others			X=Others	20=2.0m	FC=FC/PC
					30=3.0m	SA=SC/APC
					X=Others	SC=SC/PC
						ST=ST/PC
						LA=LC/APC
						LC=LC/PC
						X=Others

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Package Dimensions

