

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

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)	$(\lambda_c, 23^\circ\text{C})$ (23°C)	Typ.	dB	40	50	
			Min	dB	30	44	
	Channel Isolation (23°C, All SOP)			Min	dB	55	
	Insertion Loss (All SOP)	(23°C)	1%	Typ.	dB	0.8	0.9
			3%	Typ.	dB	0.9	1.0
			5%	Typ.	dB	1.0	1.1
		(-5 to 70°C)	1%	Max	dB	1.1	1.2
			3%	Max	dB	1.2	1.3
			5%	Max	dB	1.3	1.4
Wavelength			nm	980±15			
Pump Channel	Channel Isolation (23°C, All SOP)			Min	dB	14	
	Insertion Loss (All SOP)	(23°C) $(-5 \text{ to } 70^\circ\text{C})$	Typ.	dB	0.4		
			Max	dB	0.6		
Tap port (Forward Pump)	Insertion Loss (-5 to 70°C, All SOP)			1%	dB	19~21	
				3%	dB	14~16	
				5%	dB	12~14	
Ripple			Max	dB	0.2		
PDL			Max	dB	0.1		
PMD			Max	ps	0.1	0.05	
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.

* SOP=State Of Polarization

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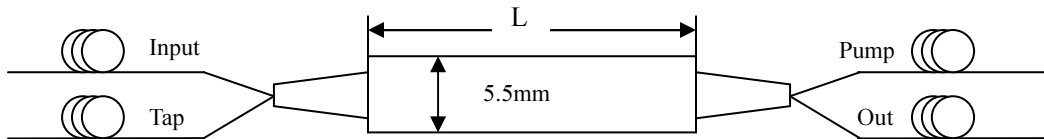
Ordering Information

Contact Ascentta with your custom configuration needs.

TIWDM	Wavelengths	Stage	Tap Ratio	Pump Type	Fiber Type	Fiber Length	Connector
TIWDM	95=980/1550nm 99=980/1590nm	S=Single stage D=Dual stage	01=1% 02=2% 03=3% 05=5%	F=Forward 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	X=Others	

Package Dimensions

Forward Pump



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