恒研光电 HENGYAN PHOTONICS

Hybrid Isolator: Tap + Isolator + WDM

(1480/1550, 1480/1590nm)

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 (All SOP)	(λc, 23℃)		Typ.	dB	40	50
		(λc±20 23℃)		Min	dB	30	44
	Channel Isolation (λc 23℃, All SOP)			Min	dB	55	
	Insertion Loss (λc 23℃, All SOP)		99%	Typ.	dB	0.7	0.8
			97%	Typ.	dB	0.8	0.9
			95%	Typ.	dB	0.9	1.0
			99%	Max	dB	0.9	1.0
			97%	Max	dB	1.0	1.1
			95%	Max	dB	1.1	1.2
Pump Channel	Wavelength				nm	1480±20	
	Channel Isolation (λc 23℃, All SOP)			Min	dB	14	
	Insertion Loss (λc 23℃, All SOP)			Typ.	dB	0.4	
				Max	dB	0.6	
Tap Port (Forward Pump)	Insertion Loss (λc -5 to 70℃, All SOP)		1%		dB	19~21	
			3%		dB	14~16	
			5%		dB	12~14	
	Ripple			Max	dB	0.5	
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 L50	
Operation Temperature					℃	-5 to 70	
Storage Temperature					℃	-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.

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(1480/1550, 1480/1590nm)

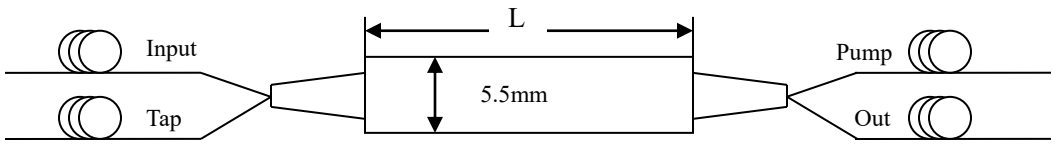
Ordering Information

Contact Hengyan Photonics with your custom configuration needs.

TIWDM	Wavelengths	Stages	Tap Ratio	Pump Type	Fiber Type	Fiber Length	Connector
TIWDM	45=1480/1550nm 49=1480/1590nm X=Others	S=Single stage D=Dual stage	01=1% 02=2% 03=3% 05=5% X=Others	F=Forward Pump	B=SMF-28, 250um L= SMF-28, 900um X=Others	10=1.0m 15=1.5m 20=2.0m 30=3.0m X=Others	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

Package Dimensions

Forward Pump



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