

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

Parameter		Unit	Single Stage	Dual Stage	
Signal Channel	Wavelength Range (λ_s)	dB	1530-1565, 1570-1610		
	Insertion Loss (λ_s , All SOP)	1%	dB	typ. 0.8	typ. 0.9
		3%	dB	typ. 0.9	typ.1.0
		5%	dB	typ.1.0	typ.1.1
	Insertion Loss (λ_s , 0-70°C, All SOP)	1%	dB	<1.1	<1.2
		3%	dB	<1.2	<1.3
		5%	dB	<1.3	<1.4
	Peak Isolation	dB	40	50	
	Isolation (λ_s , 23°C, All SOP)	Min	dB	30	44
	Channel Isolation (λ_p , 23°C, All SOP)	Min	dB	55	
PDL	Max	dB	0.1		
PMD	Max	ps	0.1	0.05	
Pump Channel	Wavelength Range (λ_p)	dB	960 ~ 990		
	Insertion Loss (λ_s , All SOP)	Typ	dB	0.4	
	Insertion Loss (λ_p , 0-70°C, All SOP)	Max	dB	0.6	
	Channel Isolation (λ_s , 23°C, All SOP)	Min	dB	17	
	PDL	Max	dB	0.1	
Tap port	Insertion Loss (λ_s , 0-70°C, All SOP)	1%	dB	19~21	
		3%	dB	14~16	
	Ripple	5%	dB	12~14	
		Max	dB	0.2	
Directivity	Min	dB	60		
Return Loss	Min	dB	55		
Optical Power	Max	mw	300		
Operation Temperature		°C	-20 to 70		
Storage Temperature		°C	-40 to 85		
Package Dimension (with 250um fiber)		mm	Φ5.5 xL35		
Package Dimension (with 900um fiber)		mm	Φ5.5 x L38		

* SOP=State of Polarization

Ordering Information

TIWDM	Central Wavelength	Stage	Tap Ratio	Pump Type	Fiber Type	Fiber Length	Connector
TIWDM	95=980/1550nm	D=Dual stage	01=1%	F=Forward	B=SMF-28,	10=1.0m	NE=None
	99=980/1590nm	S=Single stage	02=2%	Pump	250um	15=1.5m	FA=FC/APC
	45=1480/1550nm		03=3%	B=Backward	L= SMF-28,	20=2.0m	FC=FC/PC
	49=1480/1590nm		05=5%	Pump	900um	-- --	SA=SC/APC