

HYBRID ISOLATOR: TAP+1480/1550 (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. 0.7	Typ. 0.8
		3%	dB	Typ. 0.8	Typ. 0.9
		5%	dB	Typ. 0.9	Typ. 1.0
	Insertion Loss (λ_s , 0-70°C, All SOP)	1%	dB	<0.9	<1.0
		3%	dB	<1.0	<1.1
		5%	dB	<1.1	<1.2
	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	1460-1500		
	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	
		5%	dB	12~14	
Ripple	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 x L35		
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 99=980/1590nm 45=1480/1550nm	D=Dual stage S=Single stage	01=1% 02=2% 03=3%	F=Forward Pump B=Backward	B=SMF-28, 250um L= SMF-28,	10=1.0m 15=1.5m 20=2.0m	NE=None FA=FC/APC FC=FC/PC