

ISOLATOR HYBRID: TAP COUPLER + ISOLATOR (1310, 1550)

Specifications

Contact Ascentta with your custom specification needs.

Parameter				Unit	Single Stage	Dual Stage
Signal Channel	Wavelength			nm	1310±15, or 1550±15	1310±30, or 1550±30
	Isolation (All SOP)	$(\lambda_c, 23^\circ\text{C})$ (23°C)	Typ.	dB	40	50
			Min	dB	31	45
	Insertion Loss (All SOP)	(23°C)	Typ.	dB	0.6	0.8
Max			dB	0.8	1.0	
Tap Port	Insertion Loss (All SOP)	2%	dB	16.2 ~ 18.0		
		5%	dB	12.1 ~ 14.0		
	Ripple	Max	dB	0.5		
PDL		Max	dB	0.15		
PMD		Max	ps	0.1/0.25*	0.1	
Return Loss		Min	dB	55		
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.

TISO	Wavelength	Stages	Tap Ratio	Fiber Type	Fiber Length	Connector
TISO	13=1310nm 15=1550nm X=Others	S=Single Stage D=Dual Stage	01=1% 02=2% 03=3% 05=5% X=Others	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

