

Mini 2 in 1 Polarization Insensitive Isolator (DL-MTPI-T-UU-V-W-X-Y-Z)

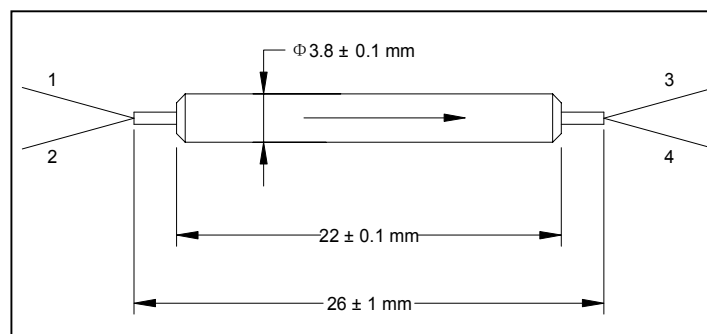
The Twin Isolator integrates two independent isolators into one standard isolator package and is ideally suited for EDFAs or instrumentation designs where two or more isolators are used. It offers excellent temperature stability, low insertion loss, high isolation, low temperature dependence and great space saving.

A. Specifications

Parameter	Dual Stage		Unit
	Grade P	Grade A	
Center Wavelength (λ_c)	1550		nm
Typ. Peak Isolation(Port 4 to Port 1, Port 3 to Port 2)	52	50	dB
Min. Isolation (Port 4 to Port 1, Port 3 to Port 2), $\lambda_c \pm 15$ nm, 23 °C, all polarization	40	38	dB
Typ. Insertion Loss (Port 1 to Port 4, Port 2 to Port 3), λ_c , 23 °C, all polarization	0.6	0.75	dB
Max. Insertion Loss (Port 1 to Port 4, Port 2 to Port 3), $\lambda_c \pm 20$ nm, all polarization	0.9	1.0	dB
Min. Return Loss (Input/Output)	55/55	55 / 55	dB
Directivity (Port 1 to Port 2, Port 3 to Port 4), λ_c , 23 °C	55	55	dB
Min. Crosstalk (Port 1 to Port 3, Port 2 to Port 4), λ_c , 23 °C	50	50	dB
Max. Polarization Dependent Loss, λ_c , 23 °C	0.1	0.2	dB
Max. Polarization Mode Dispersion	0.07	0.1	ps
Max. Optical Power (Continuous Wave)	300		mW
Operating Temperature	-5 to +70		°C
Storage Temperature	-40 to +85		°C

*IL is 0.3 dB higher and RL is 5 dB lower for each connector added.

B. Package Dimensions



C. Ordering Information

DL-MTPI-T-UU-V-W-X-Y-Z

T: Stage	V: Grade	X: Connector Type	Y: Fiber Type (SMF-28)	Z: Fiber Length
2- Dual stage	P - Premium	1 - FC/UPC	B - 250um bare fiber	1 - 1 m
	A - A grade	2 - FC/APC	S - Specify	S - Specify
		3 - SC/UPC		
UU: Wavelength	W: PMD	4 - SC/APC		
55 - 1550 nm	2 - Refer to above spec	N - None		
SS - Specify		S - Specify		