

Variable Optical Delay Line (VDL Series)

REV 11

Variable Optical Delay Line provides precision optical path variation of more than 15 cm (500 ps). The compact, rugged design makes the device ideal for integration in network equipment, test instruments, and optical coherence tomography (OCT) systems for precision optical path length or timing alignment.

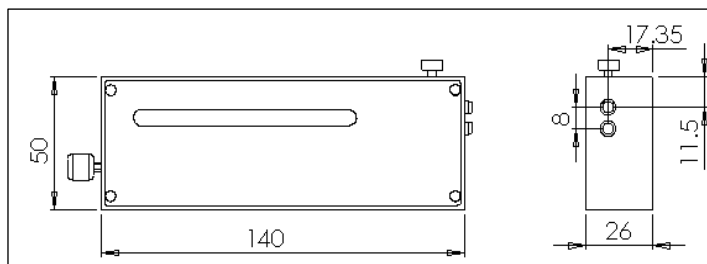


Specifications

Parameter	Unit	Values
Center Wavelength (λ_c)	nm	830
Operation Wavelength	nm	$\lambda_c \pm 30$
Optical Delay Range	ps	0 - 500 ps continuous
Readout Scale Resolution	mm	1
Max. Insertion Loss	dB	1.0
Max. Insertion Loss Variation	dB	0.5
Max. PDL	dB	0.1
Min. Extinction Ratio (for PM version)	dB	20
Min. Return Loss	dB	50
Optical Power Handling	mw	300
Operating Temperature	°C	0 to +40
Storage Temperature	°C	-40 to +60
Fiber Type		HI 780 or PM 850 Panda fiber
Dimensions	mm	50 × 140 × 26

*IL is 0.5 dB higher, RL is 5 dB lower and ER is 2 dB lower for each connector added. measured at center wavelength

Package Dimensions



Ordering Information

VDL-①①-②②-③③-④④-⑤⑤-⑥⑥-⑦⑦-⑧⑧

①①: Wavelength 83 - 830 nm	②②: Delay Range 50 - 500 ps SS - Specify	③③: Fiber Type SM - SM fiber PM - PM fiber	④④: Drive Mode M - Manual
⑤⑤: Attenuator A - Attenuator N - None	⑥⑥: Fiber Jacket B - 250 μ m bare fiber L - 900 μ m loose tube C - 3 mm cable S - Specify	⑦⑦: Connector Type 1 - FC/UPC 4 - SC/APC 2 - FC/APC N - None 3 - SC/UPC S - Specify	⑧⑧: Fiber Length 1 - 1 m S - Specify