

## Single Mode Wavelength Division Multiplexers (980/1550) (DL-WDM-T-UUUU-V-W-X-Y-Z-9855)

The Single Mode Wavelength Division Multiplexers combine or separate light at different wavelengths. Having very low insertion loss, low polarization dependence, high isolation and excellent environmental stability, these components can be used in EDFA, CATV, WDM networks and fiber optics instrumentation.

### A. Specifications

Parameter	Value	Unit
Center Wavelength ( $\lambda_c$ )	980/1550	nm
Operating Wavelength	$\lambda_c \pm 15$	nm
Min. Isolation	20	dB
Max. Insertion Loss	0.15	dB
Max. Polarization Dependent Loss	0.1	dB
Thermal Stability	$\leq 0.002$ over $-5^\circ\text{C}$ to $+70^\circ\text{C}$	dB/ $^\circ\text{C}$
Min. Return Loss	60	dB
Directivity	60	dB
Max. Optical Power (Continuous Wave)	300	mW
Operating Temperature	$-5$ to $+70$	$^\circ\text{C}$
Storage Temperature	$-40$ to $+85$	$^\circ\text{C}$

\*IL is 0.5 dB higher, RL is 5 dB lower for each connector added.

### B. Ordering Information

#### DL-WDM-T-UUUU-V-W-X-Y-Z-9855

T: Configuration	UUUU: Wavelength	V: Connector Type	W: Fiber Type	X: Fiber Length
1 - 1 × 2	9855 - 980 & 1550 nm	1 - FC/UPC	B - 250 $\mu\text{m}$ bare fiber	1 - 1 m
2 - 2 × 2		2 - FC/APC	L - 900 $\mu\text{m}$ loose tube	S - Specify
		3 - SC/UPC	C - 3 mm cable	
Y: Fiber Option		4 - SC/APC	S - Specify	
H - HI 1060 Flex fiber		N - None		
O - OFS 980 fiber		S - Specify		

#### Z: Package Dimensions

- 1 - 250  $\mu\text{m}$  bare fiber, dia3.0 × 40 mm
- 2 - 900  $\mu\text{m}$  loose tube, dia3.0 × 54 mm
- 3 - 3 mm cable, 90 × 16 × 9 mm