Tel: (65) 64154488
info@denselight.com
www.denselight.com

Single Mode Wavelength Division Multiplexer (1310/1550, 1480/1550) (DL-WDM-U-VVVV-W-X-Y-Z)

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

A. Specifications

Parameter	Value		Unit
Center Wavelength (λc)	1310/1550	1480/1550	nm
Operation Wavelength	λc ± 15	λc ± 5	nm
Min. Isolation	17	13	dB
Max. Insertion Loss	0.2	0.35	dB
Max. Polarization Dependent Loss	0.1	0.2	dB
Thermal Stability	⩽ 0.002 over -5 °C to +70 °C		dB/℃
Min. Return Loss	60		dB
Directivity	60		dB
Max. Optical Power (Continuous Wave)	300		mW
Operating Temperature	-5 to +70		℃
Storage Temperature	-40 to +85		℃

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

B. Ordering Information

DL-WDM-U-VVVV-W-X-Y-Z

U: Configuration	VVVV: Wavelength	W: Connetor Type	X: Fiber Type (SMF-28)	Y: Fiber Length
1 - 1 × 2	3155 - 1310 & 1550 nm	1 - FC/UPC	B - 250 μm bare fiber	1 - 1 m
2 - 2 × 2	4855 - 1480 & 1550 nm	2 - FC/APC	L - 900 μm loose tube	S - Specify
		3 - SC/UPC	C - 3 mm cable	
		4 - SC/APC	S - Specify	
		N - None		
		S - Specify		

Z: Package Dimensions

1 - 250 μm bare fiber, dia3.0 × 40 mm for 1310/1550
3.0 × 55 mm for 1480/1550

2 - 900 μm loose tube, dia3.0 × 56 mm for 1310/1550
3.0 × 70 mm for 1480/1550

3 - 3 mm cable, 90 × 16 × 9 mm