

## Dense Wavelength Division Multiplexers Module (4/8/16 Channels) (DL-DWDM-T-UU-V-WW-X-Y-Z)

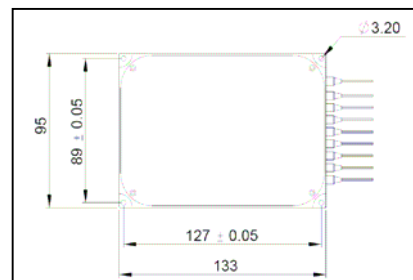
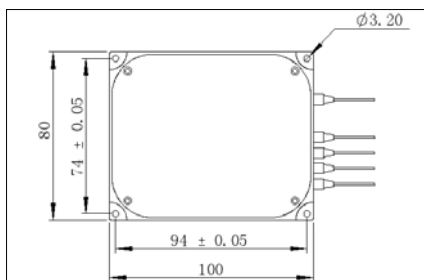
The multi-channel Dense Wavelength Division Multiplexer Module is based on thin film DWDM devices by cascading individual channels into sequence. Channel numbers can be as high as 40 (16) for 100 (200) GHz systems in C band or in L band. They are featured with wide passband, low insertion loss, high channel isolation and high environmental stability. They can be used in dense WDM systems to perform multiplexing or demultiplexing function.

### A. Specifications

Parameter	4 Ch	8 Ch	16 Ch	4 Ch	8 Ch	16 Ch	Unit
Filter Type		100 GHz			200 GHz		nm
Pass Bandwidth @ 0.5 dB		0.22			0.5		nm
Max. Insertion Loss	2.5	3.5	4.8	2.2	3.3	4.6	dB
Passband Flatness	1.0						dB
Channel Uniformity	1.5						dB
Channel Isolation (Mux)	N/A						dB
Channel Isolation (Demux)	25						dB
Max. Polarization Dependent Loss	0.1						dB
Max. Polarization Mode Dispersion	0.1						ps
Directivity	55						dB
Min. Return Loss	45						dB
Center Wavelength Stability	0.002						nm/°C
Thermal Stability	0.006						dB/°C
Max. Optical Power	300						mW
Operating Temperature	-5 to +70						°C
Storage Temperature	-40 to +85						°C
Package Dimensions	100 × 80 × 9.5 (4 Ch), 133 × 95 × 9.5 (8 Ch), 150 × 115 × 14 (16 Ch)						mm

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

### B. Package Dimensions



### C. Ordering Information

#### DL-DWDM-T-UU-V-WW-X-Y-Z

T: Module Type	V: Channel Spacing	X: Connector Type	Y: Fiber Type (SMF-28)
M - MUX	1 - 100 GHz	1 - FC/UPC	B - 250 μm bare fiber
D - DEMUX	2 - 200 GHz	2 - FC/APC	L - 900 μm loose tube
		3 - SC/UPC	C - 3 mm cable
UU: Number of Channels	WW: First ITU Grid	4 - SC/APC	S - Specify
04 - 4 channels		N - None	
08 - 8 channels		S - Specify	Z: Fiber Length
16 - 16 channels			H - 0.5 m
			S - Specify