



**PRODUCT DESCRIPTION:**

Neptec DWDM multi-channel multiplexer (Mux) modules are available on ITU channel spacing of 200GHz. They demonstrate low loss, temperature insensitivity and reliable performance in any system applications.

**FEATURES:**

- Low insertion loss
- High channel isolation
- Low polarization dependent loss
- Exceptional reliability and stability



**APPLICATIONS:**

- Access networks
- Metro WDM Systems
- Enterprise networks

**SPECIFICATIONS:**

Parameter	Specification			
	Unit	4-ch	8-ch	16-ch
Channels				
Passband	Nm	$\geq \pm 0.25$	$\geq \pm 0.25$	$\geq \pm 0.25$
Passband ripple	dB	$\leq 0.5$	$\leq 0.5$	$\leq 0.5$
Channel insertion loss	dB	$\leq 2.0$	$\leq 3.2$	$\leq 6.2$
Isolation (adjacent channel)	dB	$\geq 30$	$\geq 30$	$\geq 30$
Isolation (non-adjacent channel)	dB	$\leq 40$	$\leq 40$	$\leq 40$
Polarization dependent loss	dB	$\leq 0.2$	$\leq 0.2$	$\leq 0.2$
Polarization mode dispersion	ps	$\leq 0.2$	$\leq 0.2$	$\leq 0.2$
Directivity	dB	$\geq 45$	$\geq 45$	$\geq 45$
Return loss	dB	$\geq 45$	$\geq 45$	$\geq 45$
Wavelength range		C- or L-band ITU channels 186.6 to 196.1 THz		
Optical power handling	mW	$\leq 500$ mW		
Operating temperature range	$^{\circ}\text{C}$	-5 to 70		
Storage temperature range	$^{\circ}\text{C}$	-40 to +85		
Fiber type		SMF-28e		
Package dimensions (L x W x H)	mm	100 x 80 x 10	100 x 80 x 10	125 x 96 x 16

\* Losses include one connector, and guaranteed over wavelength, polarization and temperature.

\*\* PMD values are guaranteed by design.

\*\*\* Specifications are subject to change without notice.