

100GHz MUX-DeMux, LC/UPC, 1U Rack, Dual Fiber**NN-DWDM-27/42C-16R****Overview:**

NETRO NN-DWDM-27/42C-16R multi-channel multiplexer/ demultiplexer (Mux / DeMux) modules are available on ITU channel spacing of 100GHz. They demonstrate low loss, temperature insensitivity and reliable performance in any system application. Fixed Mux/DeMux modules offer low-cost wavelength management solutions that are suitable for long haul, metro and access application.

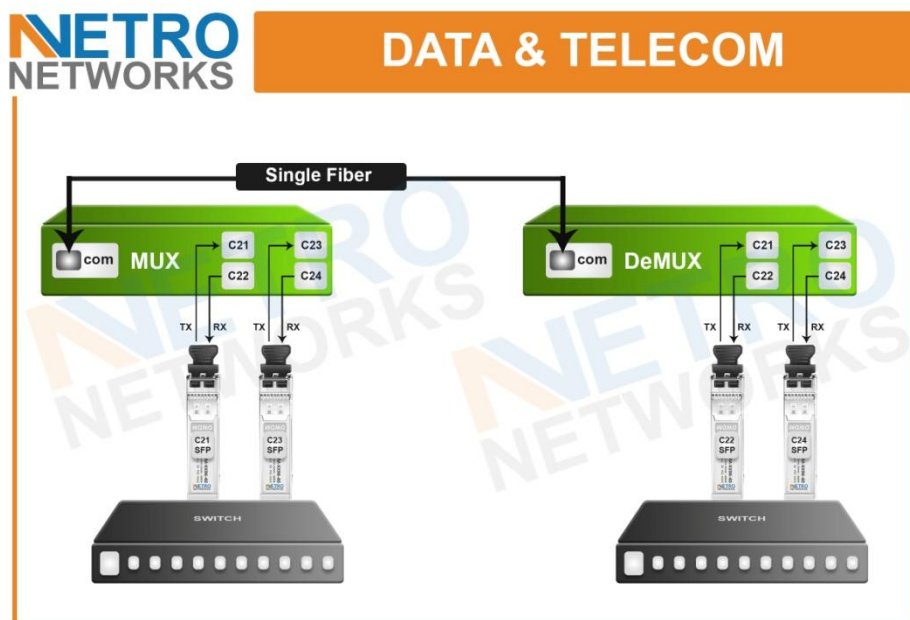
Application:

- DWDM System
- PON Networks
- CATV links
- Fiber Optical amplifier
- Wavelength routing

Features:

- Low insertion loss
- High isolation
- Low PDL
- Compact Design
- Good Channel-to-channel uniformity dual fiber application
- Wide operating Wavelength
- Wide operating Temperature: -20° to 75°

Solution Diagram:



Technical Specifications:

Item	Unit	Parameters
Channel Spacing	GHz	100GHz
Wavelength Range		C-band ITU channels
Channel Centers	nm	ITU
Channels	ch	$\geq \pm 0.13$
Passband Width	nm	≤ 0.5
Passband Ripple	dB	≤ 4.8
Channel Insertion Loss	dB	≤ 30
Isolation (adjacent channel)	dB	≤ 40
Isolation (non-adjacent channel)	dB	≤ 0.2
Polarization Dependent Loss	dB	≤ 0.2
Polarization Mode Dispersion	Ps	≤ 50
Directivity	dB	≤ 45
Return Loss	dB	\leq
Optical Power Handling	mW	≤ 500
Operating Temperature Range	0C	-20 to -75
Storage Temperature Range	0C	-40 to +85
Fiber Type	NA	SMF -28e+
Connector		LC/SC or other