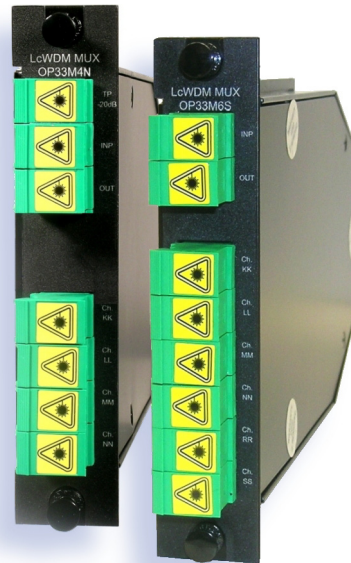


Features

- 4- and 6-channel optical mux modules with cascade ports
- Channels defined by LcWDM wavelengths
- Wide -20° to $+65^{\circ}\text{C}$ operating temperature range
- Excellent passband flatness (± 0.15 dB typical)
- High forward path directivity (50 dB typical)
- Reliable, easy to maintain SC/APC connectors
- Optional bi-directional 20 dB test port monitor
- One half-depth slot in CH3000 chassis
- LGX chassis-compatible
- RoHS compliant

LcWDM™ Multiplexers



Pictured above: Model OP33M4N-1-99-AS 4-channel Mux Module (with -20dB test point and cascade port) and Model OP22M6S-1-00-AS (with cascade port)

Aurora Networks' OP33Mxx-1 series 4- and 6-channel LcWDM multiplexers facilitate LcWDM architectures. LcWDM technology can dramatically increase network capacity without requiring additional fiber be deployed for super-trunking or narrowcasting applications.

OP33Mxx-1

Product Specifications

Physical:

- Dimensions: 6.5" D x 5.3" H x 1.0" W (3RU)
(16.5 cm x 13.5 cm x 2.5 cm)
- Weight: 0.8 lbs (0.4 kg)

Environmental:

- Operating temperature range: -20° to +65°C (-4° to +149°F)
- Storage temperature range: -40° to +85°C (-40° to +185°F)
- Humidity: 5% to 95% non-condensing

Optical:

- Return loss, min: 45 dB
- Polarization dependent loss, max: 0.2 dB (<0.1 dB typ)
- LcWDM channels
OP33M4N: KK, LL, MM, and NN
OP33M6S: KK, LL, MM, NN, RR, and SS
- Wavelength passthrough: 1263.5–1357.5 nm
- Power handling, max (any input port): 21.8 dBm
- Insertion losses, including connectors:

	4-channel		6-channel	
	typical	max	typical	max
CH. xx to OUT:	1.5 dB	2.2 dB	2.1 dB	2.8 dB
INP to OUT:	1.3 dB	2.0 dB	1.9 dB	2.6 dB

Note: Add 0.2 dB for models with -20dB TPs (OP33Mxx-2-99-AS)

OUT to TP, including connectors, max: 20.5 ±0.5 dB

- Directivity, min (dB): 50

Optical Interface:

- Optical connectors: SC/APC
- Optical ports:
INP (cascade wavelengths from previous mux)
OUT (output to fiber network or next mux)
Ch xx (channel add inputs for LcWDM wavelength xx)
TP -20dB (bi-directional 1% test point)

Ordering Information

O P 3 3 M * * - 1 - * * - A S

LcWDM Optical Mux Module

** = LcWDM Channel Selection:

4N includes channels KK, LL, MM, and NN
6S includes channels KK, LL, MM, NN, RR, and SS

1 = Cascade (Pass-through) Port present

99 = -20 dB Test Port present
00 = No Test Port present

AS = SC/APC Connectors



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