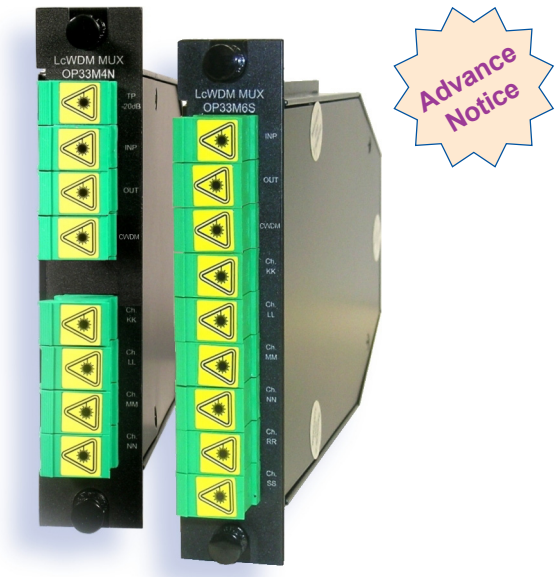
Features

- 4- and 6-channel optical mux modules with cascade ports
- Integrated "red/blue" filters for CWDM returns
- Wide –20º to +65ºC 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 monitors forward and return paths
- One half-depth slot in CH3000 chassis
- LGX chassis-compatible
- RoHS compliant

*Lc*WDM™ Multiplexers with CWDM Filter



Pictured above: Model OP33M4N-2-99-AS 4-channel Mux Module (with -20dB test point, cascade port, and CWDM return port) and Model OP22M6S-2-00-AS (with cascade port and CWDM return port)

Aurora Networks' OP33M*xx*-2 series 4- and 6-channel *Lc*WDM multiplexers with integrated "red/blue" filters facilitate *Lc*WDM architectures. These modules provide downstream transmission of a collection of multiplexed *Lc*WDM wavelengths while, at the same time, and because of their integrated "red/blue" filters, enable simultaneous upstream receipt of CWDM wavelengths on the same fiber. *Lc*WDM technology can dramatically increase network capacity without requiring additional fiber be deployed for super-trunking or narrowcasting applications.

OP33M*xx*-2 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)
  Note: Model OP33M6S-2-99-AS is a double-width module with width of 2 inches (5.1 cm)
- Weight: 0.8 lbs (0.4 kg)

Environmental:

- Operating temperature range: –20º to +65ºC (–4º to +149ºF)
- Storage temperature range: –40º to +85ºC (–40º to +185ºF)
- Humidity: 5% to 95% non–condensing

Optical:

- Return loss, min: 45 dB
- Polarization dependent loss, max: 0.2 dB (<0.1 dB typ)
- *Lc*WDM channels
  OP33M4N: KK, LL, MM, and NN
  OP33M6S: KK, LL, MM, NN, RR, and SS
- Wavelengths:
  Input to Output: 1263.5–1357.5 nm
  Output to CWDM: 1423.5–1617.5 nm
  Output to Test Port: 1263.5–1617.5 nm (OP33Mxx-2-99-AS models only)
- Cascade passthrough: 1263.5–1357.5 nm and 1423.5–1617.5 nm
- Power handling, max (any input port): 21.8 dBm
- Insertion losses, including connectors:

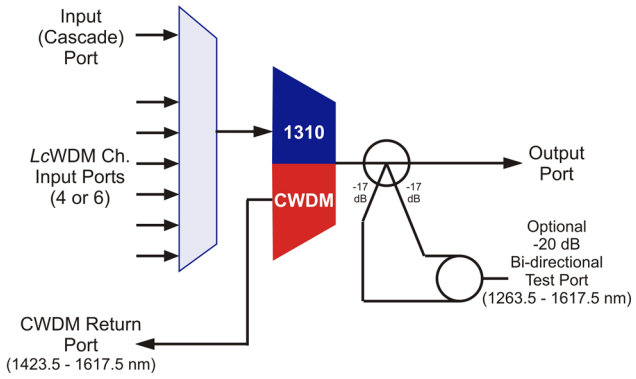
	4-channel		6-channel	
	typical	max	typical	max
CH. *xx* to OUT:	2.5 dB	3.4 dB	3.1 dB	4.0 dB
INP to OUT:	2.3 dB	3.2 dB	2.9 dB	3.8 dB
OUT to CWDM:	0.6 dB	0.8 dB	0.6 dB	0.8 dB

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

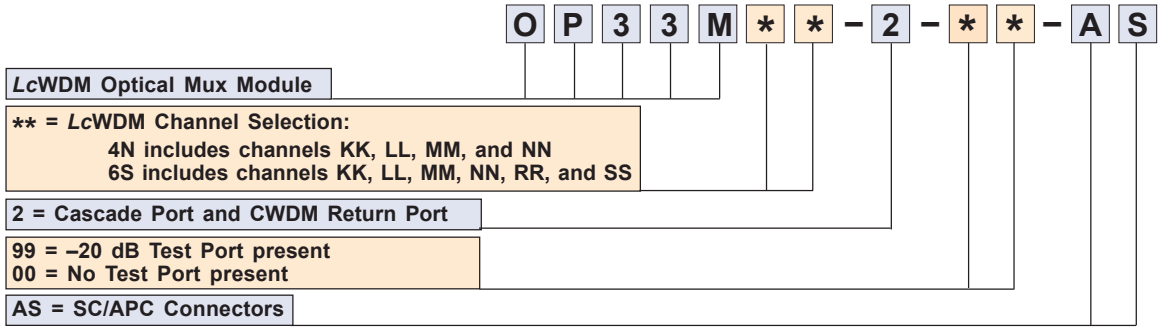
- Directivity, min (dB): 50

Optical Interface:

- Optical connectors: SC/APC
- Optical ports:
  INP (cascade wavelengths from previous mux)
  OUT (cascade plus LcWDM wavelengths output to fiber network or next mux)
  CWDM (1423.5 – 1617.5 nm return wavelengths)
  Ch *xx* (channel add inputs for *Lc*WDM wavelength *xx*)
  TP –20dB (bi-directional 1% test point)



Ordering Information



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