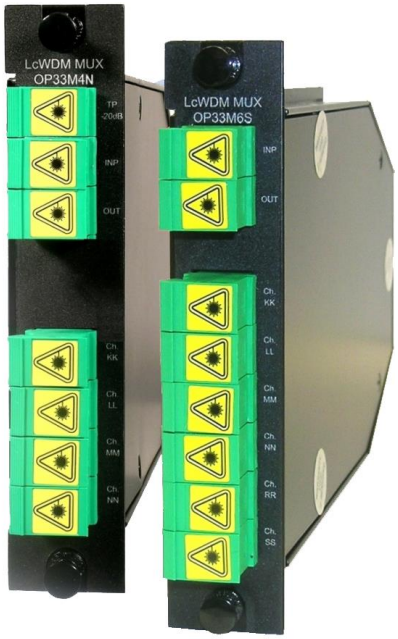
Optical Passives (ISP)

OP33Mxx-1
*Lc*WDM™ Multiplexers

FEATURES

- Multiple models
  - 4- and 6-channel optical mux modules with cascade ports
  - 8-channel optical mux modules
- Channels defined by *Lc*WDM wavelengths
- Wide –20° to +65°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



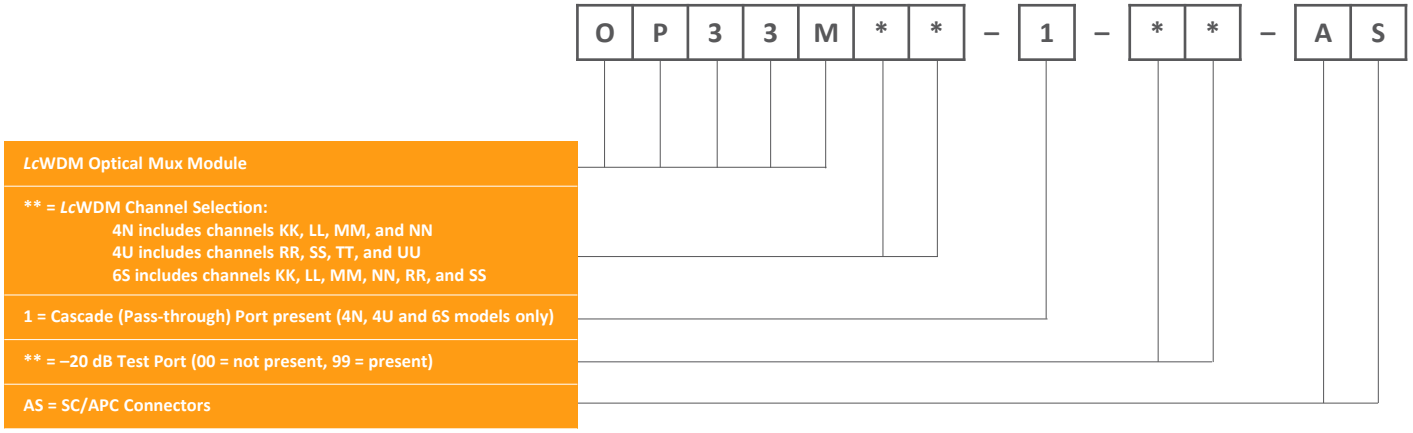
PRODUCT OVERVIEW

ARRIS OP33Mxx-1 series 4-, 6-, and 8-channel *Lc*WDM multiplexers facilitate *Lc*WDM architectures. *Lc*WDM technology can dramatically increase network capacity without requiring additional fiber be deployed for super-trunking or narrowcasting applications.

SPECIFICATIONS

Characteristics	Specification			
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: 8-channel models OP33M8U-1-00-AS and OP33M8U-1-99-AS are double-width modules with width of 2 inches (5.1 cm).			
Weight	0.8 lbs (0.4 kg)			
Environmental				
Operating temperature range (indoor)	–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)			
*Lc*WDM channels	• OP33M4N: KK, LL, MM, NN, • OP33M4U: RR, SS, TT, and UU • OP33M6S: KK, LL, MM, NN, RR, and SS • OP33M8U: KK, LL, MM, NN, RR, SS, TT, and UU			
Wavelength pass-through	1263.5–1357.5 nm			
Power handling, max (any input port)	21.8 dBm			
Insertion losses, including connectors	4-channel		6-channel	
	max	typical	max	typical
CH. *xx* to OUT	1.8 dB	1.6 dB	2.0 dB	1.7 dB
INP to OUT	1.5 dB	1.4 dB	1.6 dB	1.4 dB
	Note: Add 0.2 dB for models with -20 dB 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, not present on 8-channel module) • OUT (output to fiber network or next mux) • Ch. *xx* (channel add inputs for *Lc*WDM wavelength *xx*) • TP –20 dB (bi-directional 1% test point)			

ORDERING INFORMATION



RELATED PRODUCTS

CH3000 chassis

LGX chassis

Customer Care

Contact Customer Care for product information and sales:

- United States: 866-36-ARRIS
- International: +1-678-473-5656

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