

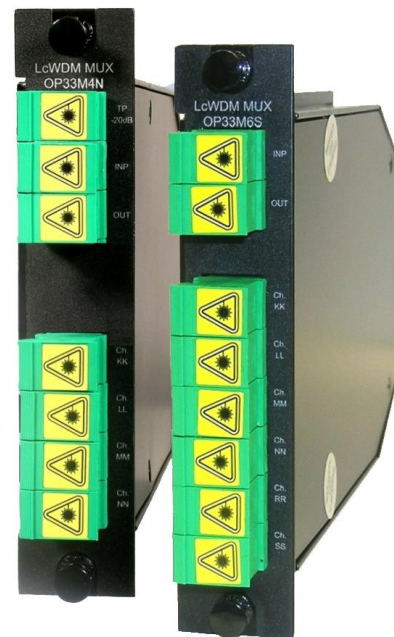
Optical Passives (ISP)

OP33Mxx-1

LcWDM™ Multiplexers

FEATURES

- Multiple models
 - 4- and 6-channel optical mux modules with cascade ports
 - 8-channel optical mux modules
- Channels defined by LcWDM 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



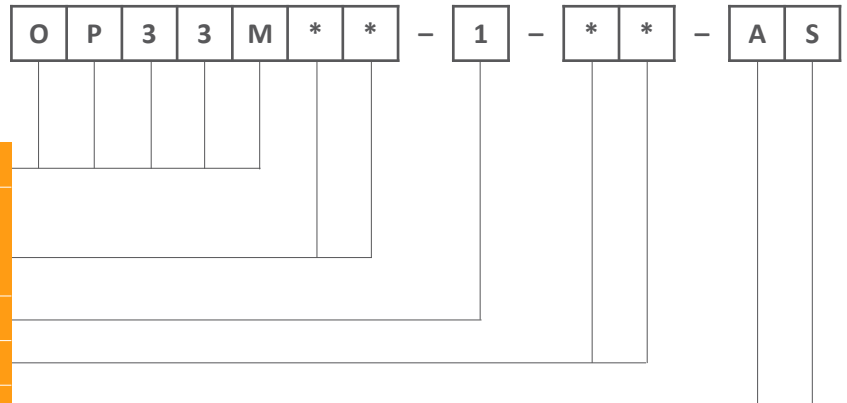
PRODUCT OVERVIEW

ARRIS OP33Mxx-1 series 4-, 6-, and 8-channel LcWDM multiplexers facilitate LcWDM architectures. LcWDM 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)		
LcWDM channels	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> 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 LcWDM wavelength xx) TP -20 dB (bi-directional 1% test point) 		

ORDERING INFORMATION



LcWDM Optical Mux Module
** = LcWDM Channel Selection: 4N includes channels KK, LL, MM, and NN 4U includes channels RR, SS, TT, and UU 6S includes channels KK, LL, MM, NN, RR, and SS
1 = Cascade (Pass-through) Port present (4N, 4U and 6S models only)
** = -20 dB Test Port (00 = not present, 99 = present)
AS = SC/APC Connectors

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

Note: Specifications are subject to change without notice.

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