

Optical Passives (ISP)

OP33F1x

Single-channel LcWDM™ Optical Filter

FEATURES

- Low insertion loss
- Selection of supported LcWDM channels
- Cascade port for daisy-chaining
- SC/APC connectors ensure performance repeatability, compatibility and easy installation and maintenance
- Removable adapters for easy cleaning
- Occupies one half-depth slot
- RoHS compliant



PRODUCT OVERVIEW

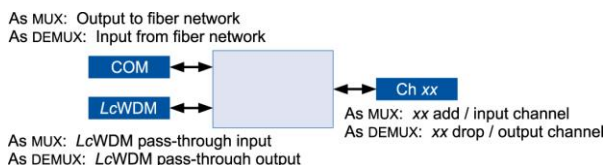
ARRIS OP33F1S series Single-channel LcWDM Optical Filters have been designed with low insertion and polarization dependent losses. These three-port filters are used to add (or drop) a single LcWDM narrowcast wavelength to (or from) a set of LcWDM optical wavelengths.

In addition to packages containing a single filter, dual-filter packages are also available in which the same narrowcast wavelength may be added to (or dropped from) two independent sets of LcWDM optical wavelengths.

The filter is packaged in an LGX compatible module and can be mounted in the ARRIS CH3000 chassis, occupying one half-depth slot. It is designed to be used in controlled indoor environments within a temperature range of -20° to +65°C.

SPECIFICATIONS

Characteristics	Specification		
Physical			
Dimensions	6.5" D x 5.2" H x 1.0" W (3RU) (16.5 cm x 13.2 cm x 2.5 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 Interface			
Optical connectors	SC/APC		
Mux input/output ports		Function as MUX	Function as DEMUX
	Ch xx I/O	xx add/input channel	xx drop/output channel
	COM	output to fiber network	input from fiber network
	LcWDM	pass-through input	pass-through output



Optical			
Wavelength pass-through (input or output)	1265–1357 nm		
LcWDM channels	AA, BB, KK, LL, MM, NN, RR, SS, TT or UU (Note: Channels AA and BB cannot be combined with channels KK through UU in an LcWDM environment)		
Insertion losses, including connectors	LcWDM I/O to COM	typical	max
	CH. xx I/O to COM	0.4 dB	0.5 dB
		0.6 dB	1.0 dB
Directivity, min	50 dB		
Return loss, min	45 dB		
Polarization dependent loss, max	0.15 dB (< 0.1 dB typ)		
Power handling, max (any input port)	21.8 dBm		

ORDERING INFORMATION



- Single-channel LcWDM Optical Filter
- * = Number of Filters in Module (S = Single, D = Dual)
- (Reserved field)
- ** = LcWDM Channel Designator (AA, BB, KK, LL, MM, NN, RR, SS, TT or UU)
- (Reserved fields)
- AS = SC/APC Connector

RELATED PRODUCTS

CH3000 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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