aurora NETWORKS

OP33F1*x*

Features

- Low insertion loss
- Selection of supported *Lc*WDM 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

Single-channel *Lc*WDM™ Optical Filter

Advance Notice

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

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

OP33F1*x* Product Specifications

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)

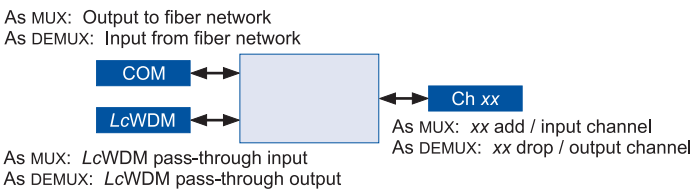
Environmental:

- Operating temperature range: –20º to +65ºC (–4º to 149ºF)
- Storage temperature range: –40º to +85ºC (–40º to 185ºF)
- 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
*Lc*WDM	pass-through input	pass-through output



Wavelength pass-through (input or output): 1265–1357 nm

Optical:

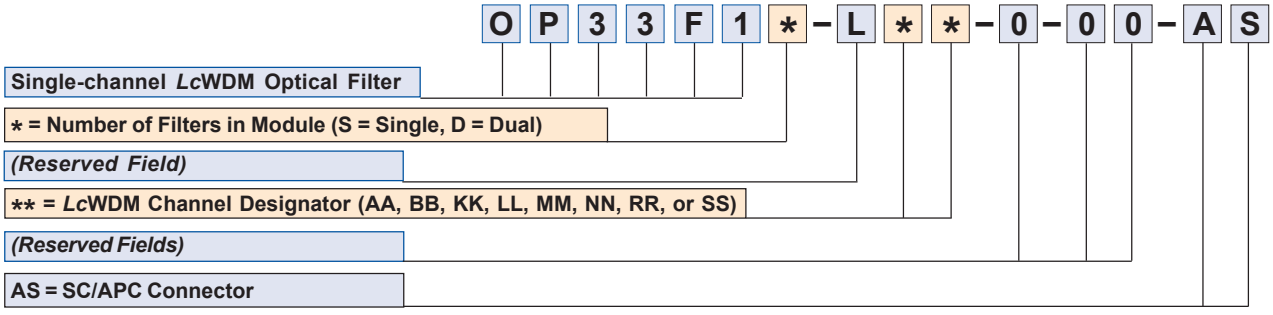
- *Lc*WDM channels: AA, BB, KK, LL, MM, NN, RR, and SS

  (*Note*: Channels AA and BB cannot be combined with channels KK through SS in an LcWDM environment.)
- Insertion losses, including connectors:

	typical	max
*Lc*WDM I/O to COM:	0.4 dB	0.5 dB
CH. *xx* I/O to COM:	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



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