

Passive CWDM, Single LGX Mux/Demux, 4 Ch. w/ 20nm spacing, start ch 1470nm, LC/UPC w/ PASS&MON (1%)



PCW1C-04347-NN46

Features

- Passive
- CWDM
- 20nm spacing
- Standard LGX cassette
- Two Fiber Mux& Demux Combo
- 4 Channels
- Starting with channel 1471nm
- LC/UPC connectors
- 1% Monitor option
- Pass / Express option

Applications

- Single Mode Fiber Networking
- Dual Fiber
- side by side mux and demux functions
- Metro transport
- Regional Distribution
- Inside Plant (ISP) Operation

Description

The L-COM PCW1C-04347-NN46 is a CWDM Passive Filter with 4 CWDM Channels. The L-COM PCW1C-04347-NN46 is a single HU LGX cassette filter with Combo Mux

DeMux functionality. The L-COM PCW1C-04347-NN46 has 4 channels: 1471, 1491, 1511, and 1531nm, starting with 1471nm and with 20nm spacing. The L-COM PCW1C-04347-NN46 has LC/UPC connectors and has Monitor port option on Mux and Demux and a PASS port to carry the unused CWDM channels through. The L-COM PCW1C-04347-NN46 is a dual fiber filter with one sending muxed signal and the other receiving a composite signal for demuxing. L-COM produces the high quality passive filters that your business can rely on. With products continually in stock and same-day shipping, our expert technical support and knowledgeable sales team can get you to the right parts for the job.

Configuration

Connector Type	LC/UPC
Number of Channels	4
Module Function	Mux/DeMux
Filter Type	CWDM

Filter Specifications

Description	Minimum	Typical	Maximum	Units
Operating Wavelength	1260		1635	nm
Pass Port Wavelength	1,271		1,611	nm
Pass Port Insertion Loss			1.8	dB
Pass Port Isolation	12			dB
Pass Band	6.5			nm
Pass Band Ripple			0.5	dB
Center Wavelength (Channel)	1,471		1531	nm
Channel Spacing		20		nm
Channel Insertion Loss			2	dB
Return Loss	45			dB
Directivity			50	dB

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications:
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PDL	0.25	dB
PMD	0.2	PS
Power Handling	300	mW
Channel to Monitor Port IL	25	dB
COM to Monitor Port IL	23	dB
IL Thermal Stability	0.005	dB/degC
Wavelength Thermal Stability	0.002	nm/degC

Environmental Specifications

Temperature

Operating Range -20 to +65 deg C
Storage Range -40 to +85 deg C

Humidity 5-98 %RH

Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:

Passive CWDM, Single LGX Mux/Demux, 4 Ch. w/ 20nm spacing, start ch 1470nm, LC/UPC w/ PASS&MON (1%) from L-com has same day shipment for domestic and International orders. Our portfolio includes coaxial cable assemblies, connectors, adapters and custom products as well as lightning and surge protectors, NEMA rated enclosures, and an RF product line which includes antennas, amplifiers, passive, and active components.

The information contained within this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part in order to implement improvements. L-com reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. L-com does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and L-com does not assume liability arising out of the use of any part or document.

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L-com CAD Drawing

REVISIONS		
REV.	DESCRIPTION	DATE
A	INITIAL RELEASE	08/17/2020
		APPROVED PHOSPODAR

<p>UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS.</p> <p>TOLERANCES:</p> <table style="font-size: small;"> <tr> <td>.X = ±.2</td> <td>[5.08]</td> <td>FRACTIONS</td> <td>± 1/32</td> </tr> <tr> <td>.XX = ±.02</td> <td>[.51]</td> <td>ANGLES ± 1°</td> <td></td> </tr> <tr> <td>.XXX = ±.005</td> <td>[.13]</td> <td></td> <td></td> </tr> </table> <p>CABLE LENGTH (L) TOLERANCES:</p> <table style="font-size: small;"> <tr> <td>L ≤ 12</td> <td>[305]</td> <td>±.1</td> <td>[25]</td> <td>/-0</td> </tr> <tr> <td>12 [305] < L ≤ 60</td> <td>[1524]</td> <td>±.2</td> <td>[51]</td> <td>/-0</td> </tr> <tr> <td>60 [1524] < L ≤ 120</td> <td>[3048]</td> <td>±.4</td> <td>[102]</td> <td>/-0</td> </tr> <tr> <td>120 [3048] < L ≤ 300</td> <td>[7620]</td> <td>±.6</td> <td>[152]</td> <td>/-0</td> </tr> <tr> <td>300 [7620] < L ≤ ∞</td> <td>L</td> <td>±.8%</td> <td>L</td> <td>/-0</td> </tr> </table> <p>ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.</p>	.X = ±.2	[5.08]	FRACTIONS	± 1/32	.XX = ±.02	[.51]	ANGLES ± 1°		.XXX = ±.005	[.13]			L ≤ 12	[305]	±.1	[25]	/-0	12 [305] < L ≤ 60	[1524]	±.2	[51]	/-0	60 [1524] < L ≤ 120	[3048]	±.4	[102]	/-0	120 [3048] < L ≤ 300	[7620]	±.6	[152]	/-0	300 [7620] < L ≤ ∞	L	±.8%	L	/-0	<p style="text-align: center;">L-com™</p> <p style="text-align: center;">an INFINITe brand</p> <p style="text-align: center;">50 High Street, West Mill, 3rd Floor, Suite #30 North Andover, MA 01845 USA Phone: 1.800.341.5266 1.978.682.6936 Fax: 1.978.689.9484 Website: www.L-com.com E-mail: CustomerService@L-com.com</p> <p style="text-align: center;">THIRD-ANGLE PROJECTION</p> <p style="text-align: center;">THE INFORMATION AND DESIGNATION UNIT IS THE PROPERTY OF L-COM GLOBAL CONNECTIVITY. ALL RIGHTS RESERVED.</p> <p style="text-align: center;">SHEET 1 OF 1</p> <p style="text-align: center;">SCALE N/A</p>
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SIZE	CAGE CODE	DRAWN BY	ITEM NO.	REV
A	43321	DFRISIELLO	PCW1C-04347-NN46	A

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