

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



PCWDM-LGXM-42047

Features

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

Applications

- Single Mode Fiber Networking
- Single Fiber
- Mux function
- Metro transport
- Regional Distribution
- Inside Plant (ISP) Operation

Description

The PolyPhaser PCWDM-LGXM-42047 is a CWDM Passive Filter with 4 CWDM Channels. The PolyPhaser PCWDM-LGXM-42047 is a single HU LGX cassette filter with Mux functionality. The PolyPhaser PCWDM-LGXM-42047 has 4 channels: 1471, 1491 1511, and 1531nm, starting with 1471nm and with 20nm spacing. The PolyPhaser PCWDM-LGXM-42047 has LC/UPC connectors and has Monitor port option and a PASS port to carry the unused CWDM channels through. The PolyPhaser PCWDM-LGXM-42047 is a single fiber filter for sending channels muxed into a COM signal. PolyPhaser 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
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		1,491	nm
Channel Spacing		20		nm
Channel Insertion Loss			2	dB
Return Loss	45			dB
Directivity			50	dB
PDL			0.25	dB

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications:
[Passive CWDM, Single LGX Mux, 4 Ch. w/20nm spacing, start ch 1470nm, LC/UPC w/MON \(1%\) & Pass Single com fiber PCWDM-LGXM-42047](#)

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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

Weight 0.7 lbs [317.51 g]

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:

PolyPhaser protects and increases the reliability of global RF communications networks, including transportation, telecommunications, defense, security and industrial applications, with superior RF surge protection technologies including DC Block, DC Pass and Ultra Low PIM. Backed by responsive service and expert technical support PolyPhaser continually expands its product offering and services to serve engineers' urgent needs for RF components in mission critical communication networks.

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URL: <https://www.polyphaser.com/passive-cwdm-single-lgx-mux-4-ch-w-20nm-spacing-start-ch-1470nm-lc-upc-w-mon-1-pass-single-com-fiber-pcwdm-lgxm-42047-p.aspx>

The information contained in 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. PolyPhaser reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. PolyPhaser does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and PolyPhaser does not assume any liability arising out of the use of any part or documentation.

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PCWDM-LGXM-42047 CAD Drawing

