

Passive CWDM, Rugged Cassette E (85x75x8.5mm) Demux,
4 Ch. 20nm 1470nm, 1.0m 900um buffer, Pass Port



PCWED-04347-19N3

Features

- Passive
- CWDM
- 20nm spacing
- Rugged Field Cassette (85x75x8.5mm)
- Single Fiber Demux
- 4 Channels
- Starting with channel 1471nm
- 1m 900um fiber leads
- Pass fiber for unused CWDM channels
- industrial temperature (-40c ~ 85c)

Applications

- Single Mode Fiber Networking
- Single Fiber
- Demux function
- Metro transport
- Regional Distribution
- Outside Plant (OSP) Operation

Description

The L-COM PCWED-04347-19N3 is a CWDM Passive Filter with 4 CWDM Channels. The L-COM PCWED-04347-19N3 is a 85x75x8.5mm field cassette filter with demux functionality. The L-COM PCWED-04347-19N3 is rated for industrial temperature function (-40c to +85c) for applications such as outside plant installation. The L-COM PCWED-04347-19N3 has 4 channels: 1471, 1491, 1511, and 1531nm, starting with 1471nm and with 20nm spacing. The L-COM PCWED-04347-19N3 has 1 meter 900um buffer fiber leads. The PCWED-04347-19N3 is a single fiber filter for demuxing channels from a COM signal. The L-COM PCWED-04347-19N3 includes the optional Pass fiber for carrying the CWDM channels not present in this filter. 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 | 900um Bare Fiber (1M) |
| Number of Channels | 4 |
| Module Function | 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 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 |
| 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, Rugged Cassette E \(85x75x8.5mm\) Demux, 4 Ch. 20nm 1470nm, 1.0m 900um buffer, Pass Port PCWED-04347-19N3](#)

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PCWED-04347-19N3

| | | |
|------------------------------|-------|---------|
| PMD | 0.2 | PS |
| Power Handling | 300 | mW |
| IL Thermal Stability | 0.005 | dB/degC |
| Wavelength Thermal Stability | 0.002 | nm/degC |

Environmental Specifications

Temperature

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

Humidity 5-95 %RH

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

Plotted and Other Data

Notes:

Passive CWDM, Rugged Cassette E (85x75x8.5mm) Demux, 4 Ch. 20nm 1470nm, 1.0m 900um buffer, Pass Port 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 impliment 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

