

Passive DWDM, OSP Ring OADM, 1 Channel, 100 GHz spacing,  
Ch45, Monitor (1%), 900um 1m fiber, without connector



## PDWER-01145-19N4

### Features

- Passive
- DWDM
- OSP Ring OADM
- 100 GHz spacing
- 1 Channel
- Channel 45
- Monitor 1%
- 1.0m 900um buffer fiber leads

### Applications

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

### Description

L-com's PDWER-01145-19N4 is a DWDM passive filter with 1 channel - ITU channel 45 and 100GHz spacing. PDWER-01145-19N4 is a OSP Ring OADM. L-com's PDWER-01145-19N4 has a monitor (1%) port and 1.0m 900um buffer fiber leads. PDWER-01145-19N4 monitor port taps 1% of the total signal power. This value is sufficient for use with monitoring and measurement devices, such as power meters or network analyzers. L-com's PDWER-01145-19N4 is one of thousands of fiber optic products available in-stock and ready to ship today.

### Configuration

|                    |           |
|--------------------|-----------|
| Filter Type        | DWDM      |
| Module Type        | Cassette  |
| Module Function    | OADM      |
| Number of Channels | 1         |
| Connector Type     | Pigtailed |

### Filter Specifications

| Description                    | Minimum | Typical | Maximum | Units |
|--------------------------------|---------|---------|---------|-------|
| Operating Wavelength           | 1528    |         | 1564    | nm    |
| Pass Band                      | 0.125   |         |         | nm    |
| Pass Band Ripple               |         |         | 0.5     | dB    |
| Channel Spacing (GHz)          |         | 100     |         | GHz   |
| Return Loss                    | 45      |         |         | dB    |
| Directivity                    |         |         | 50      | dB    |
| PDL                            |         |         | 0.25    | dB    |
| PMD                            |         |         | 0.2     | PS    |
| Adjacent Channel Isolation     | 30      |         |         | dB    |
| Non-Adjacent Channel Isolation | 40      |         |         | dB    |

### Size

Length 4 in [101.6 mm]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications:  
[Passive DWDM, OSP Ring OADM, 1 Channel, 100 GHz spacing, Ch45, Monitor \(1%\), 900um 1m fiber, without connector PDWER-01145-19N4](#)

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## PDWER-01145-19N4

|        |                   |
|--------|-------------------|
| Weight | 0.5 lbs [226.8 g] |
|--------|-------------------|

### Environmental Specifications

#### Temperature

|                 |                  |
|-----------------|------------------|
| Operating Range | -5 to +65 deg C  |
| Storage Range   | -40 to +85 deg C |

|          |      |
|----------|------|
| Humidity | 5~95 |
|----------|------|

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

### Plotted and Other Data

Notes:

Passive DWDM, OSP Ring OADM, 1 Channel, 100 GHz spacing, Ch45, Monitor (1%), 900um 1m fiber, without connector 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

