PolyPhaser
an INFINITE brand

Passive CWDM, Ruggedized Field Cassette demux, 16 Ch w/ 20nm spacing, start 1270nm, 1m 900um buffer

PCFCD-16C20-1270

Features

- Passive
- CWDM
- 20nm spacing
- Rugged Field Cassette (120x85x20mm)
- Single Fiber Demux
- 16 Channels (skipping 1391 & 1411nm)
- Starting with channel 1271nm
- 1m 900um fiber leads
- industrial temperature (-40c ~ 85c)

Applications

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

Description

The PolyPhaser PCFCD-16C20-1270 is a CWDM Passive Filter with 16 CWDM Channels. The PolyPhaser PCFCD-16C20-1270 is a 120x85x20mm field cassette filter with demux functionality. The PolyPhaser PCFCD-16C20-1270 is rated for industrial temperature function (-40c to +85c) for applications such as outside plant installation. The PolyPhaser PCFCD-16C20-1270 has 16 channels: 1271, 1291, 1311, 1331, 1351, 1371, 1431, 1451, 1471, 1491, 1511, 1531, 1551, 1571, 1591, and 1691nm (skipping 1391 and 1411nm), starting with 1271nm and with 20nm spacing. The PolyPhaser PCFCD-16C20-1270 has 1 meter 900um buffer fiber leads. The PolyPhaser PCFCD-16C20-1270 is a single fiber filter for demuxing channels from 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	900um Bare Fiber (1M)
Number of Channels	16
Module Function	Demux
Filter Type	CWDM

Filter Specifications

Description	Minimum	Typical	Maximum	Units
Operating Wavelength	1260		1635	nm
Pass Band	6.5			nm
Pass Band Ripple			0.5	dB
Center Wavelength (Channel)	1,271		1,611	nm
Channel Spacing		20		nm
Channel Insertion Loss			4	dB
Return Loss	45			dB
Directivity			50	dB
PDL			0.25	dB
PMD			0.2	PS
Power Handling			300	mW

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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IL Thermal Stability	0.005	dB/degC
Wavelength Thermal Stability	0.002	nm/degC

Weight	0.2 lbs [90.72 g]

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:

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-ruggedized-field-cassette-demux-16-ch-w-20nm-spacing-start-1270nm-1m-900um-buffer-pcfcd-16c20-1270-p.aspx

PCFCD-16C20-1270 CAD Drawing