PolyPhaser
an INFINITE brand

Passive CWDM, Ruggedized Field Cassette Mux, 4 ch 20nm 1550nm, 1.0m 900um buffer, pass

PCFCM-4C20P-1550

Features

- Passive
- CWDM
- 20nm spacing
- Rugged Field Cassette (85x75x8.5mm)
- Single Fiber Mux
- 4 Channels
- Starting with channel 1551nm
- 1m 900um fiber leads
- Pass fiber for unused CWDM channels
- industrial temperature (-40c ~ 85c)

Applications

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

Description

The PolyPhaser PCFCM-4C20P-1550 is a CWDM Passive Filter with 4 CWDM Channels. The PolyPhaser PCFCM-4C20P-1550 is a 85x75x8.5mm field cassette filter with mux functionality. The PolyPhaser PCFCM-4C20P-1550 is rated for industrial temperature function (-40c to +85c) for applications such as outside plant installation. The PolyPhaser PCFCM-4C20P-1550 has 4 channels: 1551, 1571, 1591, and 1611nm, starting with 1551nm and with 20nm spacing. The PolyPhaser PCFCM-4C20P-1550 has 1 meter 900um buffer fiber leads. The PCFCM-4C20P-1550 is a single fiber filter for muxing channels into a COM signal. The PolyPhaser PCFCM-4C20P-1550 includes the optional Pass fiber for carrying the CWDM channels not present in this filter. 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	4
Module Function	Mux
Filter Type	CWDM

Filter Specifications

Description	Minimum	Typical	Maximum	Units
Operating Wavelength	1,260		1,635	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)	1,551		1,611	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:
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PMD	0.2	PS
Power Handling	300	mW
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-mux-4-ch-20nm-1550nm-1.0m-900um-buffer-pass-pcfcm-4c20p-1550-p.aspx

PCFCM-4C20P-1550 CAD Drawing