

Passive DWDM, 1 RU 19" Mux & DeMux, 20 Ch w/ 100 GHz spacing, start ch 40, LC-UPC, w/ Pass and Mon



## PDWDM-RMMDM-20140

### Features

- Passive
- DWDM
- 100GHz spacing
- 19" Rack Mount
- Two Fiber Mux& Demux Combo
- 20 Channels (40-59)
- Starting with channel 40 (1545.32nm)
- LC/UPC connectors
- Express Channel
- 1% Monitor option

### Applications

- Single Mode Fiber Networking
- Dual Fiber
- Side by side Mux and DeMux functions
- 20 channels
- Metro transport
- Regional Distribution
- Inside Plant (ISP) Operation

### Description

The PolyPhaser PDWDM-RMMDM-20140 is a DWDM Passive Filter with 20 DWDM Channels. The PolyPhaser PDWDM-RMMDM-20140 is a 1RU 19" Rack Mount filter with Combo Mux/DeMux functionality. The PolyPhaser PDWDM-RMMDM-20140 has 20 DWDM channels: ITU CH40-59 starting with Channel 40 (1545.32nm) and with 100GHz channel spacing. The PolyPhaser PDWDM-RMMDM-20140 has LC/UPC connectors and has Monitor port option on Mux and Demux. The PolyPhaser PDWDM-RMMDM-20140 is a dual fiber filter with one sending muxed signal and the other receiving a composit signal for demuxing. 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	20
Module Function	Mux/DeMux
Filter Type	DWDM

### Filter Specifications

Description	Minimum	Typical	Maximum	Units
Operating Wavelength	1527.22		1564.68	nm
Pass Port Wavelength	1,527.22		1,564.68	nm
Pass Port Insertion Loss			4	dB
Pass Port Isolation	12			dB
Pass Band	0.68		0.93	nm
Pass Band Ripple			0.5	dB
Center Wavelength (Channel)	1,530.33		1,545.32	nm
Channel Spacing		0.83		nm
Channel Insertion Loss			4	dB
Return Loss	45			dB
Directivity			50	dB

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications:  
[Passive DWDM, 1 RU 19" Mux & DeMux, 20 Ch w/ 100 GHz spacing, start ch 40, LC-UPC, w/ Pass and Mon PDWDM-RMMDM-20140](#)

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## PDWDM-RMMDM-20140

PDL		0.25	dB
PMD		0.2	PS
Power Handling		300	mW
Adjacent Channel Isolation	28		dB
Non-Adjacent Channel Isolation	40		dB
Channel to Monitor Port IL		26	dB
COM to Monitor Port IL		23	dB
IL Thermal Stability		0.005	dB/degC
Wavelength Thermal Stability		0.002	nm/degC

Weight 7.5 lbs [3.4 kg]

### 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-dwdm-1-ru-19-inch-rack-mount-combo-mux-demux-20ch-100ghz-spacing-starting-ch40-1545.32nm-lc-upc-connectors-exp-mon1-pdw3c-20140-nn46-p.aspx>

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PDWDM-RMMDM-20140 CAD Drawing

