

## WAVELENGTH DIVISION MULTIPLEXERS

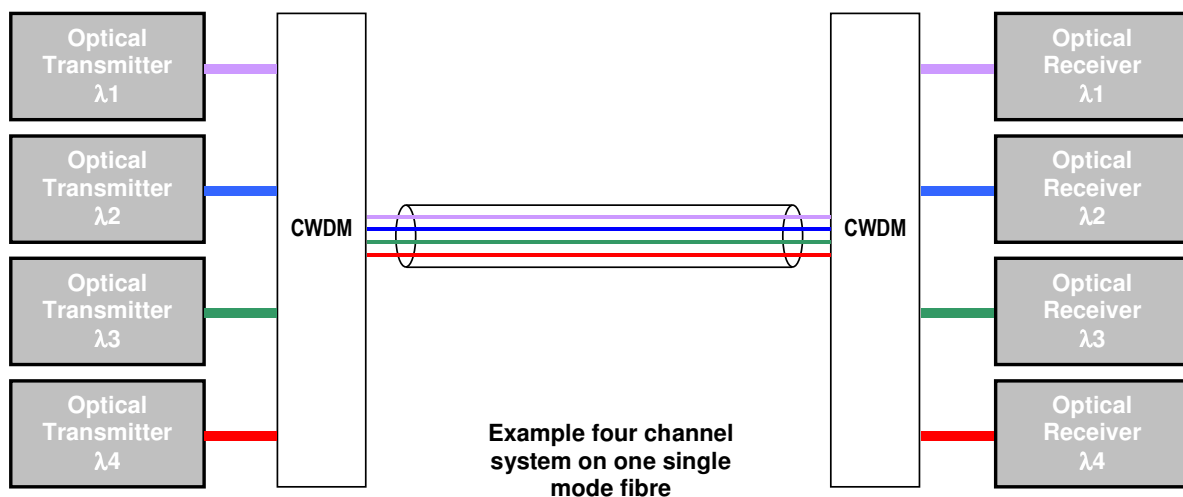
PPM's range of wavelength division multiplexing products allows protocol-transparent combination and separation of multiple fiber optic channels. The technology enables flexible and efficient planning of optical networks for satellite, broadcast, instrumentation and signal distribution.

Products are available from 1310nm/1550nm WD duplexers up to ITU-T G.694.2 8-channel CWDM multiplexers and demultiplexers.

The high-isolation products feature exceptional adjacent channel isolation specifically designed to complement PPM's wide dynamic range inter-facility links.

### Key Features

- Increases capacity
- 2, 4, and 8 channels
- Protocol transparent
- Low insertion loss
- High isolation
- ITU compliant
- Compact 1U chassis



WDM technology has a range of benefits when used in conjunction with PPM's fibre optic links:

- Delay matching in GPS distribution links
- Reduced fibre count for broadcast antenna-remoting applications using diversity reception
- Upgrade of existing satellite teleport equipment using pre-existing fibre cabling
- Reduced dark fibre leasing costs for system integrators

## Optical Specifications

### WDM

<i>Parameter</i>	<i>Min</i>	<i>Max</i>	<i>Unit</i>
1550 Channel Wavelength	1550 +/- 20		nm
1310 Channel Wavelength	1310 +/- 20		nm
Max Power Handling		100	mW
Pass Band Ripple		0.4	dB
Insertion Loss		1.5	dB
Isolation	40		dB

### CWDM

<i>Parameter</i>	<i>Min</i>	<i>Max</i>	<i>Unit</i>
Center wavelength	as per ITU G.694.2		nm
Max Power handling		100	mW
Passband Insertion Loss		2.8 4.5 (HI version)	dB
Passband Ripple		0.4 0.7 (HI version)	dB
Return Loss	50		dB
Adjacent Channel Isolation	30 50 (HI version)		dB
Non-Adjacent Channel Isolation	40 60 (HI version)		dB

### Environmental

<i>Parameter</i>	<i>Min</i>	<i>Max</i>	<i>Unit</i>
Operating Temperature	0	+ 55	°C
Storage Temperature	-40	+ 85	°C

### Ordering Information

<i>Part No.</i>	<i>Type</i>	<i>Description</i>	<i>Packaging</i>	<i>Connector</i>
<b>74006</b>	WDM	1310/1550nm WDM	Pigtailed	FC/APC
<b>74007</b>	WDM	1310/1550nm WDM	Pigtailed	E2000
74206	WDM	1310/1550nm WDM	7hp Module	FC/APC
74207	WDM	1310/1550nm WDM	7hp Module	E2000
<b>74016</b>	CWDM	CWDM 8-channel	1U Shelf	FC/APC
<b>74017</b>	CWDM	CWDM 8-channel	1U Shelf	E2000
74026	CWDM	CWDM 8-channel High Isolation	1U Shelf	FC/APC
74027	CWDM	CWDM 8-channel High Isolation	1U Shelf	E2000
74036	CWDM	CWDM 4-channel	1U Shelf	FC/APC
74037	CWDM	CWDM 4-channel	1U Shelf	E2000
74046	CWDM	CWDM 4-channel High Isolation	1U Shelf	FC/APC
74047	CWDM	CWDM 4-channel High Isolation	1U Shelf	E2000

### Contact Us

For further details of this or any other product from PPM, please contact us at:

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