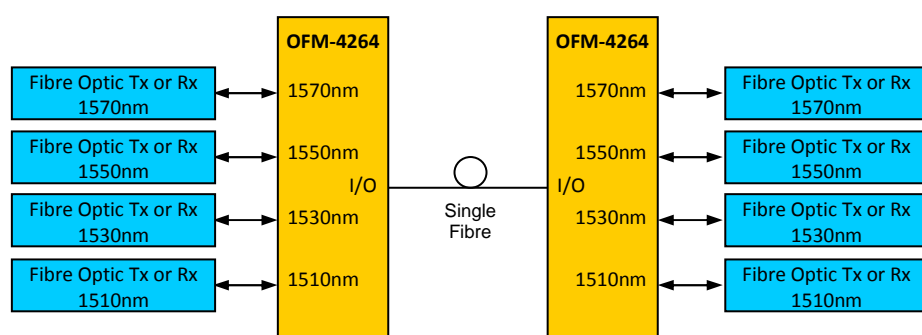


## 4 Channel CWDM Fibre Optic Multiplexer/Demultiplexer

### FEATURES

- Four set CWDM optical wavelength inputs and outputs.
- Low insertion loss.
- Uni-directional or bi-directional operation.
- Connections made by SC/PC connectors.

### BLOCK DIAGRAM OFM-4264 SIGNAL PATH



### GENERAL

The OFM-4264 is coarse wave division optical wavelength division multiplexer / demultiplexer (CWDM) for combining and separating up to four optical signals of 1510nm, 1530nm, 1550nm and 1570nm wavelengths for either uni-directional or bi-directional transmission on the one fibre.

With the high cost of hiring or installing additional dark fibre it makes economical sense to maximise the use of existing infrastructure.

Used in combination with IRT's extensive range of fibre transmitters / receivers and interface modules, a myriad of different signals types can be sent down the one fibre. With IRT's four channel fibre multiplexer/demultiplexer modules, for example, up to sixteen SDI signals can be sent down a single fibre. Or up to sixty-four ASI signals can be sent when also used with IRT's ASI multiplexer/demultiplexer modules.

The OFM-4264 is designed to mount in IRT's 1RU or 4000 series 3RU frame.

### TECHNICAL SPECIFICATIONS

<b>Type</b>	4 Channel CWDM multiplexer/demultiplexer.
<b>Wavelengths</b>	1510 nm, 1530 nm, 1550 nm & 1570 nm.
<b>Fibre</b>	Single mode.
<b>Connector Type</b>	SC/PC.
<b>Maximum Power Handling</b>	300 mW.
<b>Channel Passband</b>	> 13 nm (typically 15nm).
<b>Insertion loss</b>	< 2.5 dB (< 2.0 dB typically).
<b>Passband Ripple</b>	< 0.5 dB (typically 0.3 dB).
<b>Uniformity</b>	< 1.5 dB.
<b>Return Loss</b>	> 45 dB (typically 50 dB).
<b>Directivity</b>	> 55 dB.
<b>Channel Isolation</b>	> 30 dB (typically 40 dB).
<b>Non Adjacent Channel Isolation</b>	> 45 dB (typically 50 dB).
<b>Polarization Dependent Loss</b>	< 0.2 dB.
<b>Other:</b>	
<b>Temperature range</b>	-10 - 70° C ambient.
<b>Mechanical</b>	Suitable for mounting in IRT 19" 1RU or 4000 series 3RU rack chassis with input and output connections on the rear panel.
<b>Finish</b>	Grey background, black lettering & red IRT logo.
<b>Front panel</b>	Common connection mounted on bracket from main PCB.
<b>Rear assembly</b>	
<b>Dimensions</b>	6 HP x 3 U x 220 mm IRT Eurocard.

