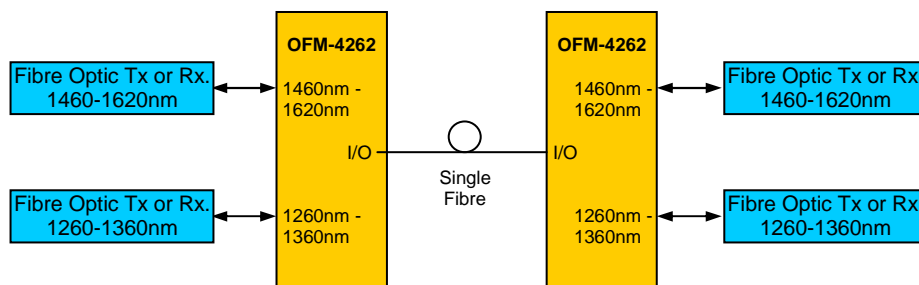


2 Channel WDM Fibre Optic Multiplexer/Demultiplexer

FEATURES

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

BLOCK DIAGRAM OFM-4262 SIGNAL PATH



GENERAL

The OFM-4262 is wave division optical wavelength division multiplexer / demultiplexer (WDM) for combining and separating two optical signals of 1260-1360nm (typically 1310nm) and 1460-1620nm (typically 1550nm) 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 eight SDI signals can be sent down a single fibre. Or up to thirty two ASI signals can be sent when also used with IRT's ASI multiplexer / demultiplexer modules.

The OFM-4262 is designed to mount in IRT's 1RU or 4000 series 3RU frame.

TECHNICAL SPECIFICATIONS

Type	WDM multiplexer / demultiplexer.
Wavelengths	1260-1360 nm & 1460-1620 nm.
Fibre	Single mode.
Connector type	SC/PC.
Insertion loss	< 0.5 dB @ 1550 nm. < 0.5 dB @ 1310 nm.
Isolation	> 20 dB.
Other:	
Temperature range	0 - 50° C ambient.
Mechanical	Suitable for mounting in IRT 19" 1RU or 4000 series 3RU rack chassis with input and output connections on the rear panel.
Finish	Grey background, black lettering & red IRT logo.
Front panel	Common connection mounted on bracket from main PCB.
Rear assembly	
Dimensions	6 HP x 3 U x 220 mm IRT Eurocard.

