GF-CCWDM-2743-08-250

GLOBALfiber compact 8-channel low-band CWDM Mux/Demux | 250 um Pigtails

1. Product overview

GLOBALfiber GF-CCWDM-2743-08-250 is a compact CWDM multiplexer/demultiplexer for integration into fiber-optic splice trays and enclosures. This version provides eight low-band CWDM channels.

2. Key features

ITU-T G.694.2 CWDM compliance; 20 nm channel spacing; compact package; 1.5 m fiber leads; 250 um pigtails. Free-space optics with an epoxy-free optical path.

3. Applications

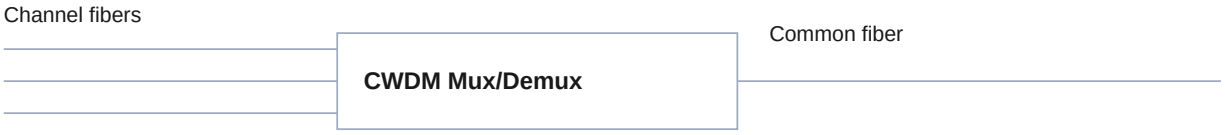
CWDM multiplexing and demultiplexing in fiber-optic splice trays and compact enclosures.

4. Technical data

Parameter	Specification
Channel configuration	8 low-band CWDM channels
Channel spacing	20 nm
Fiber lead length	1.5 m
Fiber size	250 um
Termination	Pigtails
Package L x W x H	44 x 28 x 6 mm
Additional dimensional statement	6.2 ±0.2 mm; dimension not identified
Fiber color	No color
Optical construction	Free-space optics; epoxy-free optical path

5. Recommended operating conditions

Parameter	Specification
Operating temperature	-30 °C to +70 °C
Storage temperature	-40 °C to +80 °C



Functional illustration - not a port-identification drawing

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6. Optical characteristics

Parameter	Specification
CWDM channel wavelengths	1270, 1290, 1310, 1330, 1350, 1370, 1430, 1450 nm
Insertion loss, channels	1.5 dB
Insertion loss, upgrade port	1.2 dB
Wideband passband	1260-1458 nm
Polarization dependent loss	0.2 dB
Polarization mode dispersion	0.1 ps
Directivity	50 dB
Return loss	45 dB
Maximum power handling	500 mW

7. Diagnostics and management

Electronic diagnostics and management are not specified for this optical module.

8. Safety and regulatory

CWDM compliance: ITU-T G.694.2. Additional safety or regulatory certifications are not stated.

9. Ordering information

Parameter	Specification
GLOBALfiber product number	GF-CCWDM-2743-08-250
Configuration	8-channel low-band; 250 um; Pigtails
Fiber lead length	1.5 m