GF-CCWDM-4761-09-250

GLOBALfiber compact 8+1-channel CWDM Mux/Demux | 250 um Pigtails

1. Product overview

GLOBALfiber GF-CCWDM-4761-09-250 is a compact CWDM multiplexer/demultiplexer for integration into fiber-optic splice trays and enclosures. This version provides eight CWDM channels and a 1310 nm wideband expansion port.

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

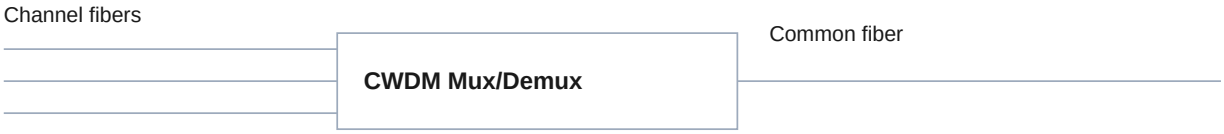
CWDM multiplexing and demultiplexing in fiber-optic splice trays and compact enclosures.

4. Technical data

Parameter	Specification
Channel configuration	8 CWDM + 1310 nm wideband
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	1470, 1490, 1510, 1530, 1550, 1570, 1590, 1610 nm
Insertion loss, channels	1.5 dB
Insertion loss, upgrade port	1.2 dB
Wideband passband	1310 ±50 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-4761-09-250
Configuration	8+1-channel; 250 um; Pigtails
Fiber lead length	1.5 m

10. General notes

Source insertion-loss note: values are valid for 0 to +70 °C; add 0.3 dB for 0 to +30 °C. These ranges overlap, and no loss allowance is stated for negative temperatures. The note is retained without correction.