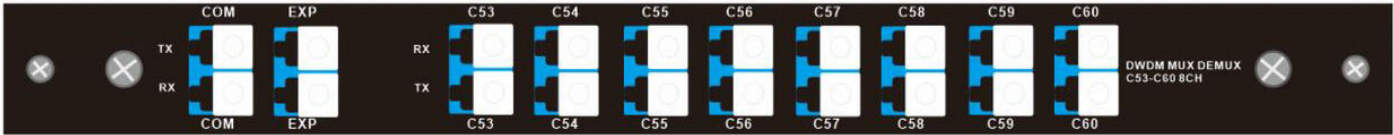


GF-DMD8-1U01-C5360LU

8-channel DWDM MUX/DEMUX, C53-C60, EXP port

1. Product overview

8-channel DWDM MUX/DEMUX, C53-C60, EXP port. Passive optical filtering combines and separates wavelength channels for transmission over a fiber pair.



Simplified functional illustration



Dual fiber; not a physical port map.

2. Key features

- Passive optical operation; no electrical supply required.
- 8 channels; 100 GHz (0.8 nm).
- Channel ports / line / EXP.

3. Applications

Optical transport, metro networks, data center interconnect and fiber-capacity expansion.

4. Technical data

Parameter	Specification
Service / channel configuration	8 channels
Transmission topology	Dual fiber
Filter technology	TFF (thin-film filter)
Optical connector	LC/UPC
Dimensions	190 × 150 × 20 mm
Net weight	0.5 kg
Mounting / enclosure	LGX4; rack 440 × 160 × 44 mm
Rack net weight / source slot count	1.5 kg
Rack front mounting width (drawing)	482 mm
LGX width in drawing	190 mm

Source background for CWDM/DWDM overlay: CWDM 1260-1625 nm, 20 nm spacing; DWDM 1470-1625 nm, 0.8 nm spacing. These are background ranges, not this module's specified channel range.

5. Recommended operating conditions

Parameter	Specification
Operating temperature	-40 to +85°C
Storage temperature	-40 to +85°C

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6. Optical characteristics

Optical parameter	Specification	Optical parameter	Specification
DWDM channels	C53-C60; other wavelengths may be customized	Directivity	≥45 dB
Wavelength range	1535.04-1529.55 nm	Polarization mode dispersion (PMD)	≤0.1 ps
Channel spacing	100 GHz (0.8 nm)	Polarization dependent loss (PDL)	≤0.3 dB
Channel passband	±0.11 nm	Isolation, adjacent channels	≥30 dB
Insertion loss, wavelength ports	≤2.4 dB	Isolation, non-adjacent channels	≥45 dB
Link loss	≤3.2 dB	Insertion loss, 1310 nm port	≤0.8 dB
Return loss	≥45 dB	Insertion loss, 1% monitor port	≤26 dB

7. Digital diagnostics and management

An optical monitor port is listed for external link/power monitoring. No built-in DDM, management protocol or electrical telemetry is specified.

8. Safety and regulatory

ITU-T G.694.1 is cited in the source description. Product-specific safety certifications are not specified.

9. Ordering information

Product number	Description
GF-DMD8-1U01-C5360LU	8-channel DWDM MUX/DEMUX, C53-C60, EXP port; LC/UPC; LGX4 plug-in module
GF-1U02-4LGX	4-slot 19-inch 1U rack; 440 × 160 × 44 mm (source accessory)

