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Data Sheet

August 1, 2026

JDS FITEL FBG

JDS FITEL FBG-225TC2 SINGLE CHANNEL FIXED DROPED MODULE 50GHZ

Center Wavelength: Factory-set ITU channel (read from label; not field tunable) Optical Technology: Fiber Bragg grating filter Typical FBG Fixed Drop Class Characteristics (generic family; verify on unit) Related FBG DWDM add/drop modules commonly specify reflection bandwidths sized for the channel spacing (50 GHz class passbands on the order of a few tenths of a nanometer), input-to-express and input-to-drop insertion loss budgets of about 1 to 2 dB class, and isolation on the order of 25 dB or better. Exact IL, isolation, and ripple for the FBG-225TC2 must be taken from a Fitel datasheet for this dash number or from measurement.

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No photo

MODEL

**JDS FITEL FBG
225TC2**

CALIBRATION

**N/A — off-catalog
OEM datasheet**

CONDITION

**See OEM
documentation**

STATUS

**Not listed on
Aumictech
inventory**

RFQ / SKU

225TC2

LISTING

**Off-catalog — OEM dat
asheet only**

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

Features & description

From manufacturer datasheet

Features

- Single-channel fixed drop module
- 50 GHz DWDM channel spacing
- Fiber Bragg grating (FBG) based filtering
- Fixed (non-tunable) center wavelength on the ITU grid (specific channel set at manufacture)
- Compact passive optical module for system or bench use
- Intended for temperature-stable wavelength management in metro/access applications

Specifications

PARAMETER	VALUE
Model	FBG-225TC2 (also written FBG-225-TC2)
Manufacturer	JDS Fitel (JDS Uniphase lineage)
Instrument Type	Single-channel fixed DWDM drop module (FBG)
Channel Spacing	50 GHz
Function	Fixed drop of one ITU channel fromamulti-wavelength path
Ports	Drop / express style FBG add-drop topology (exact pigtail labeling on unit)
Center Wavelength	Factory-set ITU channel (read from label; not field tunable)
Optical Technology	Fiber Bragg grating filter

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	for similar FBG drop modules is typically near 0 C to 60 C class; confirm for this package.
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Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications

Specifications

PARAMETER	VALUE
Model	FBG-225TC2 (also written FBG-225-TC2)
Manufacturer	JDS Fitel (JDS Uniphase lineage)
Instrument Type	Single-channel fixed DWDM drop module (FBG)
Channel Spacing	50 GHz
Function	Fixed drop of one ITU channel from a multi-wavelength path
Ports	Drop / express style FBG add-drop topology (exact pigtail labeling on unit)
Center Wavelength	Factory-set ITU channel (read from label; not field tunable)
Optical Technology	Fiber Bragg grating filter

Typical FBG Fixed Drop Class Characteristics (generic family; verify on unit)

Related FBG DWDM add/drop modules commonly specify reflection bandwidths sized for the channel spacing (50 GHz class passbands on the order of a few tenths of a nanometer), input-to-express and input-to-drop insertion loss budgets of about 1 to 2 dB class, and isolation on the order of 25 dB or better. Exact IL, isolation, and ripple for the FBG-225TC2 must be taken from a Fitel datasheet for this dash number or from measurement.

Standard Operating Conditions

Handle fiber pigtails with care; observe bend-radius limits. Keep connectors clean. Operating temperature for similar FBG drop modules is typically near 0 C to 60 C class; confirm for this package.

Operational Notes

"DROPPED" / "DROPE" in catalog titles means optical drop (demultiplex), not a defective module. Confirm the printed ITU channel or frequency on the label before installing in a DWDM plan. Related JDSU ADM filter add/drop modules exist for 200/100/50 GHz plans and are a parallel product family to FBG-coded parts.

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: N/A — off-catalog OEM datasheet. See OEM documentation · Not listed on Aumictech inventory.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

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<https://aumictechlabs.com>

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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.