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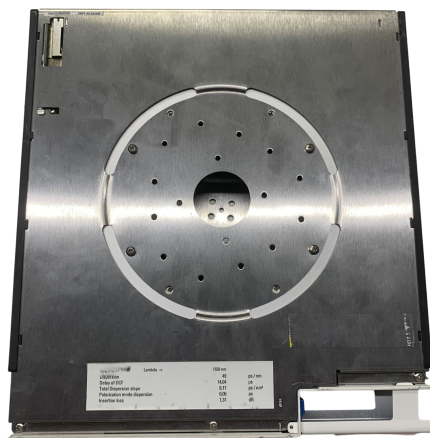
Data Sheet

August 12, 2026

SIEMENS

Siemens pureform DCF UDCMC10LL Dispersion Compensation -174.00 ps/nm

Siemens PureForm DCF UDCMC10LL Dispersion Compensation Module Siemens PureForm dispersion compensating fiber (DCF) module model UDCMC10LL providing specified chromatic dispersion compensation of -174.00 ps/nm (listing value). Used to compensate accumulated chromatic dispersion in optical transmission links. Fine spectral/loss/length limits belong on the module label and OEM optical datasheet for the exact PureForm UDCMC10LL build. Dispersion compensation in metro/long-haul fiber links; optical amplifier cascade compensation; lab and field fiber plant equalization. Siemens PureForm dispersion compensating fiber (DCF) module model UDCMC10LL providing specified chromatic dispersion compensation of -174.00 ps/nm (listing value). Used to compensate accumulated chromatic dispersion in optical transmission links. Fine spectral/loss/length limits belong on the module label and OEM optical datasheet for the exact PureForm UDCMC10LL build. Dispersion compensation in metro/long-haul fiber links; optical amplifier cascade compensation; lab and field fiber plant equalization.



MODEL

**Siemens
UDCMC10LL**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

UDCMC10LL

LISTING

<https://aumictechlabs.com/products/udcmc10ll-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Siemens Pureform DCF UDCMC10LL is a Dispersion Compensation Module (DCM) that counteracts chromatic dispersion in single-mode fiber optical communication systems. It delivers -174.00 ps/nm compensation to restore signal integrity across long-haul and metro network deployments. By inserting precisely engineered dispersion-compensating fiber into the optical path, this module cancels accumulated positive dispersion and reduces pulse broadening, enabling extended transmission reach and lower bit error rates.

Technical Specifications

Product Type: Dispersion Compensation Module (DCM) **Dispersion Compensation Value:** -174.00 ps/nm **Fiber Type:** Single Mode Fiber **Platform:** Siemens Pureform DCF **Model:** UDCMC10LL

Key Features

- Precise dispersion offset of -174.00 ps/nm per nanometer of spectral width
- Minimizes pulse spreading and signal degradation over distance
- Mitigates chromatic dispersion effects inherent in optical fiber transmission
- Maintains signal clarity at high data rates and advanced modulation formats
- Reduces bit error rates through enhanced signal integrity

Typical Applications

- Long-haul optical communication networks
- Metro area network deployments
- High-speed optical transmission systems
- Links requiring chromatic dispersion management

Integration with optical amplifier stages (EDFA configurations)

Compatibility & Integration

high-speed optical networks operating on single-mode fiber infrastructure. Typically deployed between amplifier stages in multi-span transmission links where cumulative dispersion compensation is critical. Compatible with systems utilizing standard 1550 nm transmission wavelengths.

Features & description

From manufacturer datasheet

Features

• Model: UDCMC10LL • Family: Siemens PureForm DCF (dispersion compensating fiber module) • Dispersion: -174.00 ps/nm (listing / catalog value) • Form: dispersion compensation module (DCF spool/module class)

UDCMC10LL Characteristics / Specifications

PARAMETER	VALUE
Model	UDCMC10LL
Manufacturer	Siemens
Instrument Type	Dispersion Compensation Fiber Module
Alias	UDCMC10LL; Siemens PureForm DCF UDCMC10LL Optical (verified from listing)
Dispersion	–174.00 ps/nm Notes Published OEM tables for insertion loss, wavelength band, length, and residual slope for this exact UDCMC10LL SKU were not located as a complete modern datasheet in this pass. Do not invent loss or bandwidth figures. Confirm –174.00 ps/nm and other optical limits from the module faceplate / calibration sticker.
Family	Siemens PureForm DCF (dispersion compensating fiber module)
Form	dispersion compensation module (DCF spool/module class)
Bandwidth	figures. Confirm –174.00 ps/nm and other optical limits from the module faceplate / calibration sticker.

UDCMC10LL Specifications

PARAMETER	VALUE
Key Features	- Model: UDCMC10LL
Technical Specifications	Model: UDCMC10LL
Optical (verified from listing)	Dispersion: -174.00 ps/nm

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	UDCMC10LL
Manufacturer	Siemens
Instrument Type	Dispersion Compensation Fiber Module
Alias	UDCMC10LL; Siemens PureForm DCF UDCMC10LL

Optical (verified from listing)

Dispersion: -174.00 ps/nm

Notes

Published OEM tables for insertion loss, wavelength band, length, and residual slope for this exact UDCMC10LL SKU were not located as a complete modern datasheet in this pass. Do not invent loss or bandwidth figures. Confirm -174.00 ps/nm and other optical limits from the module faceplate / calibration sticker.

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

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

Aumictech

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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.