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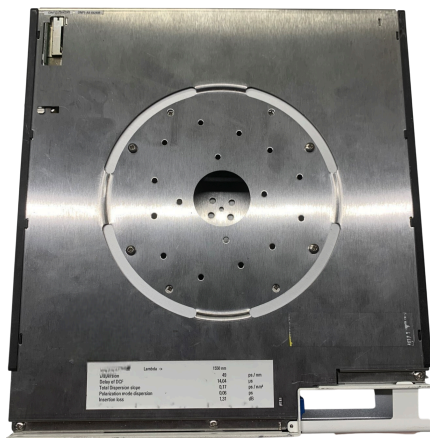
Data Sheet

August 3, 2026

SIEMENS

Siemens pureform DCF UDCMC60LL Dispersion Compensation -1028.00 ps/nm

Siemens pureform DCF UDCMC60LL Dispersion Compensation -1028.00 ps/nm The UDCMC60LL provides a Siemens Pureform dispersion compensation fiber (DCF) module specified at -1028.00 ps/nm for high-magnitude negative chromatic-dispersion compensation in C-band G.652 links. Long-haul / high-dispersion C-band compensation near -1028 ps/nm; passive DCF between amplifiers; Pureform inventory matching -1028.00 ps/nm. The UDCMC60LL provides a Siemens Pureform dispersion compensation fiber (DCF) module specified at -1028.00 ps/nm for high-magnitude negative chromatic-dispersion compensation in C-band G.652 links. Long-haul / high-dispersion C-band compensation near -1028 ps/nm; passive DCF between amplifiers; Pureform inventory matching -1028.00 ps/nm.



MODEL

**Siemens
UDCMC60LL**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

UDCMC60LL

LISTING

<https://aumictechlabs.com/products/udcmc60ll-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Siemens pureform DCF UDCMC60LL is a Dispersion Compensation Module (DCM) engineered to counteract chromatic dispersion in high-speed optical transmission systems. Operating with a compensation value of -1028.00 ps/nm, this single-mode fiber module introduces negative dispersion to offset pulse broadening accumulated in standard G.652 fibers.

The device maintains signal integrity across long-haul and DWDM networks operating at 2.5 Gbps, 10 Gbps, and higher data rates.

Technical Specifications

Dispersion Compensation Value: -1028.00 ps/nm
Fiber Type: Single-Mode Fiber (SMF)
Slope Compensation: 100% G.652 fiber C-Band slope compensation
Insertion Loss: Low - critical for signal power budgets
Polarization Mode Dispersion (PMD): Low performance for high-speed signal stability
Operating Temperature: 0°C to 50°C
Storage Temperature: -40°C to 85°C
Humidity: 85% relative humidity maximum, non-condensing

Key Features

Negative dispersion architecture counteracts positive dispersion in G.652 fiber
Full slope compensation across C-Band wavelengths
Minimal insertion loss preserves signal power budgets
Low PMD characteristics support high-speed protocols
Telcordia GR-2854-CORE and GR-1221-CORE compliant

Typical Applications

Long-haul optical transmission networks
Dense Wavelength Division Multiplexing (DWDM) systems
High-speed transmission protocols (2.5 Gbps, 10 Gbps+)
Chromatic dispersion compensation in fiber optic links

Compatibility & Integration

Designed for single-mode fiber (G.652) systems
Integrates into DWDM network architectures
Compatible with modular chassis deployment (Fiber Driver™ platform)
Delivers broadband low residual dispersion performance

Features & description

From manufacturer datasheet

Features

- Pureform DCF module, model UDCMC60LL • Dispersion: -1028.00 ps/nm • Passive optical component (no electrical power) • C-band: approximately 1525–1565 nm • Compatible with ITU-T G.652 SMF • Nominal full dispersion-slope compensation class (PureForm family)

UDCMC60LL Characteristics / Specifications

PARAMETER	VALUE
Model	UDCMC60LL
Manufacturer	Siemens Pureform
Instrument Type	Dispersion Compensation Fiber (DCF) Module
Dispersion	−1028.00 ps/nm
Operating Band	C-band (approx. 1525–1565 nm)
Compatible Fiber	ITU-T G.652 SMF
Operation	Passive
Alias	UDCMC60LL Related Pureform Context PureForm DCM family historically spanned about −50 to −2100 ps/nm. UDCMC60LL sits in the higher-magnitude negative range; confirm faceplate value. Standard Operating Conditions Confirm engraved −1028.00 ps/nm. Higher-dispersion DCF modules may have longer fiber length—observe bend radius carefully.
C-band	approximately 1525–1565 nm

UDCMC60LL Specifications

PARAMETER	VALUE
Key Features	- Pureform DCF module, model UDCMC60LL
Technical Specifications	Model: UDCMC60LL
Standard Operating Conditions	Confirm engraved -1028.00 ps/nm. Higher-dispersion DCF modules may have longer fiber length—observe bend radius carefully.
Operational Notes	Do not confuse with lower-magnitude UDCMC30/40 modules. Match -1028.00 ps/nm on the label.

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

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Related Pureform Context

PureForm DCM family historically spanned about -50 to -2100 ps/nm. UDCMC60LL sits in the higher-magnitude negative range; confirm faceplate value.

Standard Operating Conditions

Confirm engraved -1028.00 ps/nm. Higher-dispersion DCF modules may have longer fiber length-observe bend radius carefully.

Operational Notes

Do not confuse with lower-magnitude UDCMC30/40 modules. Match -1028.00 ps/nm on the label.

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.