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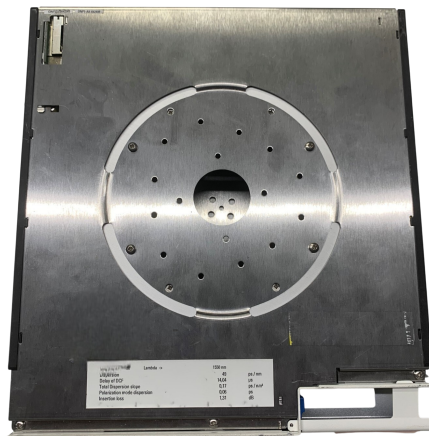
Data Sheet

August 3, 2026

SIEMENS

Siemens pureform DCF UDCM-C20LL Dispersion Compensation -342 ps/nm

1525–1565 nm) Compatible Fiber: ITU-T G.652 SMF Operation: Passive Related Models: UDCMC20 (-342.00 ps/nm); UDCMC50A; UDCMC80P Alias: UDCM-C20LL; UDCMC20LL Standard Operating Conditions Confirm engraved -342 ps/nm. Observe DCF bend-radius limits. Operational Notes UDCM-C20LL and UDCMC20 share the -342 ps/nm class—verify labeling. Do not confuse with UDCMC80P (+49 ps/nm).



MODEL

Siemens UDCM-C20LL

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

UDCM-C20LL

LISTING

<https://aumictechlabs.com/products/udcm-c20ll-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Siemens Pureform DCF UDCM-C20LL is a dispersion compensation module engineered to mitigate chromatic dispersion in optical fiber communication systems. This single-mode fiber accessory delivers -342 ps/nm of dispersion compensation, enabling signal integrity over extended transmission distances by counteracting the wavelength-dependent propagation delays inherent to optical fiber. Technical Specifications Dispersion Compensation: -342 ps/nm Fiber Type: Single-Mode Module Classification: Dispersion Compensation Module (DCM) Key Features Negative dispersion value enables chromatic dispersion cancellation in standard single-mode fiber links Modular design integrates into existing optical transport infrastructure Designed for

long-haul and metro optical communication deployments where dispersion management is critical

Typical Applications

- Optical fiber communication systems requiring chromatic dispersion compensation
- Long-distance transmission systems where accumulated dispersion limits signal quality
- Integration into optical line terminals and add/drop multiplexers
- Bandwidth extension in existing fiber infrastructure

Compatibility & Integration

The UDCM-C20LL functions as an accessory component within optical fiber communication infrastructure. System integration requires compatibility assessment with existing optical transport architectures. For specific integration requirements, application notes, or technical guidance, contact Siemens or a certified optical equipment distributor. Used units are available in the secondary market. Reseller-provided warranty terms and calibration services may apply depending on vendor.

Features & description

From manufacturer datasheet

Features

- Pureform DCF module, model UDCM-C20LL • Dispersion: -342 ps/nm • Passive optical component (no electrical power) • C-band: approximately 1525–1565 nm • Compatible with ITU-T G.652 SMF • Related designation: UDCMC20 (-342.00 ps/nm)

UDCMC20LL Characteristics / Specifications

PARAMETER	VALUE
Model	UDCM-C20LL
Manufacturer	Siemens Pureform
Instrument Type	Dispersion Compensation Fiber (DCF) Module
Dispersion	−342 ps/nm
Operating Band	C-band (approx. 1525–1565 nm)
Compatible Fiber	ITU-T G.652 SMF
Operation	Passive
Related Models	UDCMC20 (−342.00 ps/nm); UDCMC50A; UDCMC80P
Alias	UDCM-C20LL; UDCMC20LL Standard Operating Conditions Confirm engraved −342 ps/nm. Observe DCF bend-radius limits. Operational Notes UDCM-C20LL and UDCMC20 share the −342 ps/nm class—verify labeling. Do not confuse with UDCMC80P (+49 ps/nm).
C-band	approximately 1525–1565 nm
Related designation	UDCMC20 (−342.00 ps/nm)

UDCMC20LL Specifications

PARAMETER	VALUE
Applications	C-band chromatic dispersion compensation at -342 ps/nm; passive DCF between EDFAs; Pureform inventory matching UDCM-C20LL / UDCMC20.
Key Features	- Pureform DCF module, model UDCM-C20LL
Technical Specifications	Model: UDCM-C20LL
Standard Operating Conditions	Confirm engraved -342 ps/nm. Observe DCF bend-radius limits.
Operational Notes	UDCM-C20LL and UDCMC20 share the -342 ps/nm class—verify labeling. Do not confuse with UDCMC80P (+49 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

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Model	UDCM-C20LL
Manufacturer	Siemens Pureform
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Related Models	UDCMC20 (-342.00 ps/nm); UDCMC50A; UDCMC80P
Alias	UDCM-C20LL; UDCMC20LL

Standard Operating Conditions

Confirm engraved -342 ps/nm. Observe DCF bend-radius limits.

Operational Notes

UDCM-C20LL and UDCMC20 share the -342 ps/nm class-verify labeling. Do not confuse with UDCMC80P (+49 ps/nm).

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.