

Dispersion Compensator

P/N DCML

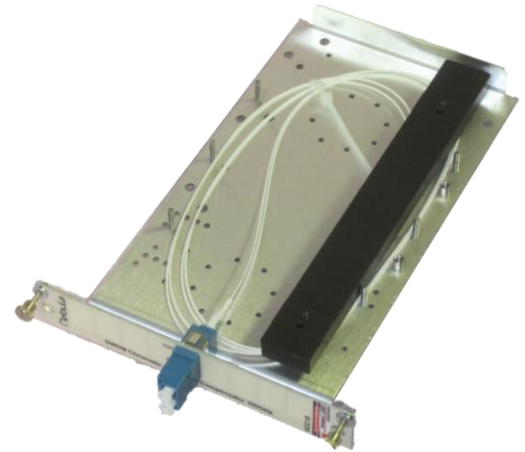
Nebula's Chromatic Dispersion Compensation Module is ideal for extended reach and presents a solution for telecommunications networks requiring reduced amplification, low cost and optimal signal clarity.

Applications

- Metro and long-haul high-speed DWDM networks
- Ideal for point-to-point spans or hut-skipping configurations
- Submarine and Festoon Networks
- Low Latency Trading

Features

- Ultra Low Insertion Loss
- Compensation up to 200 km
- Suitable for use at 10, 40, and 100 Gbps
- 3U form factor
- Latency below 25 ns
- Slope-matched to G.652 or G.655 fibers



Transfer Characteristics

- Compensation Level: 40 km (Model 01)
100 km (Model 02)
140 km (Model 03)
180 km (Model 04)
- Channel Spacing 50 and 100 GHz
- Operation Bandwidth > 25 GHz
- Insertion Loss ≤ 3.0 dB
- Latency < 25 ns

Environmental Characteristics

- Storage Temperature Range - 40 to + 85 °C
- Operating Temperature Range - 5 to + 70 °C
- Humidity 5 to 95 %

Physical Characteristics

- Input/Output Connector SC, LC, or UPC
- Height/Width/Depth 1.14 / 5.08 / 6.26 In. (29 / 129 / 159 mm)