

Features

- * Dispersion compensation up to 100km
- * Low insertion loss
- * Low PMD
- * Robust and compact package

Applications

- * High speed transmission systems
- * Long-haul telecommunication systems

Description

GIP Technology Dispersion Compensation Fiber Unit (TLM-DCU-G652-00-U) is designed to compensate the dispersion of conventional G.652 fiber or other transmission fibers having a positive dispersion that occurs in long-haul optical transmission systems. The TLM-DCU-G652-00-U offers superior polarization mode dispersion (PMD) performance and a negative dispersion slope, allowing a DWDM or long-haul system to maintain signal integrity over great distances.



Low insertion loss and PMD make the product ideal for long-haul telecommunication systems as well as DWDM transport.

The compact 1U mountable unit serves the area size and can be, easily, embedded in the EIA 19 and 23-inch cabinet rack.



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Specifications

Optical Information		Unit	Description			
Length of G.652 compensated*1		km	10	40	80	100
Dispersion*2		ps/nm	-170 ± 2%	-680 ± 2%	-1360 ± 2%	-1700 ± 2%
Relative dispersion slope*2		nm ⁻¹	0.0036 ± 20%			
Insertion loss*3	Max.	dB	2.0	4.0	6.5	8.0
PMD	Max.	ps	0.4	0.6	0.65	0.7
PDL	Max.	dB	0.1			
Connector			SC or FC			
Mechanical Information						
Dimension			19" and 23" 1-RU rack			

*1. Other compensated lengths also available by request

*2. Measured at 1550nm

*3. Measured at 1530 ~ 1565nm