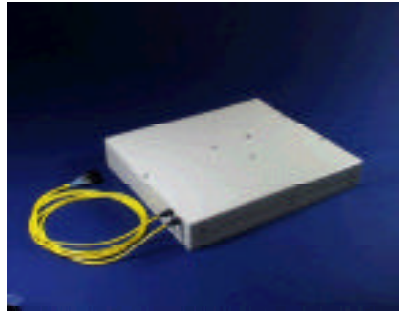


Dispersion Compensating Fiber Module for NZDSF with Medium Dispersion



The Fujikura DCF Module can compensate signal distortion due to an accumulated dispersion through the fiber transmission and upgrade the line for over 10 Gb/s per one wavelength in D-WDM system.

Features

- ✧ Low loss
- ✧ High FOM (Figure of Merit)
- ✧ Broadband compensation
- ✧ Low PMD

Applications

- ✧ Long-haul telecommunication system based on Non-Zero dispersion Shifted Fibers(G.655)
- ✧ DWDM transmission system

Dispersion Compensation Fiber Module for NZDSF

Parameter	Unit	Min.	Max
Operating Wavelength	nm	1525	1565
Operating Temperature	degC	-5	70
Storage Temperature	degC	-20	75
SBS threshold	dBm	3	-
n_2/A_{eff}	1/W	-	2.3×10^{-9}
Fiber effective area @1550nm	μm^2	15	-

Item	Unit	DC-MS-C-N320-UW	DC-MS-C-N640-UW	DC-MS-C-N960-UW
NZDSF G.655 (Typical)	km	40	80	120
Dispersion @1550nm	ps/nm	-320+/-10	-640+/-20	-960+/-30
Ratio of dispersion and dispersion slope @1550nm	nm^{-1}	0.0065+/-20%		
Insertion Loss @1550nm	dB	4.2	6.1	8.0
PMD	ps	0.6	0.8	0.9
PMD(Typical)	ps	0.3	0.4	0.5
PDL	dBp-p	0.1	0.1	0.1
Connector type	-	As requested		
Dimensions	mm	224 x 238 x 45		

Dispersion Compensation Fiber Module for NZDSF

Parameter	Unit	Min.	Max
Operating Wavelength	nm	1565	1610
Operating Temperature	degC	-5	70
Storage Temperature	degC	-20	75
SBS threshold	dBm	3	-
n_2/A_{eff}	1/W	-	2.3×10^{-9}
Fiber effective area @1590nm	μm^2	15	-

Item	Unit	DC-MS-L-N400-UW	DC-MS-L-N800-UW	DC-MS-L-N1200-UW
NZDSF G.655 (Typical)	km	40	80	120
Dispersion @1590nm	ps/nm	-400+/-12	-800+/-24	-1200+/-36
Ratio of dispersion and dispersion slope @1590nm	nm^{-1}	0.0052+/-20%		
Insertion Loss @1590nm	dB	4.7	7.0	9.4
PMD	ps	0.7	0.9	1.0
PMD(Typical)	ps	0.4	0.5	0.5
PDL	dBp-p	0.1	0.1	0.1
Connector type	-	As requested		
Dimensions	mm	224 x 238 x 45		