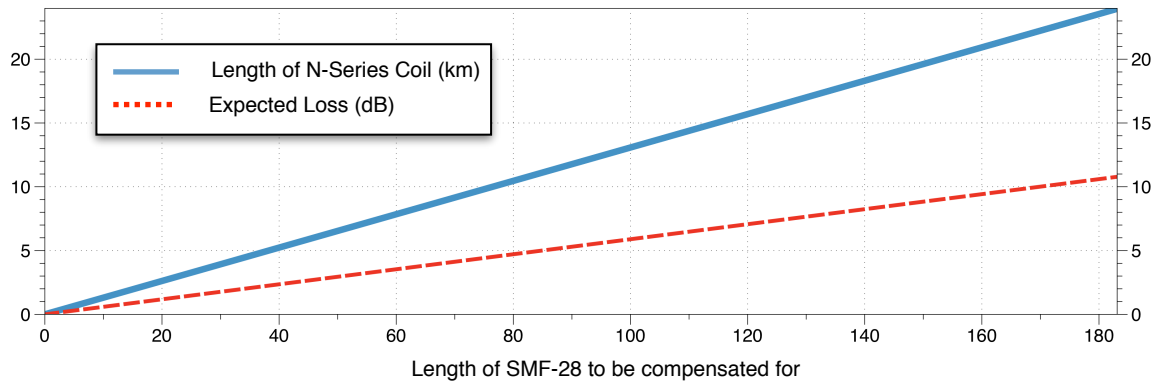


## 0301-N Series - Rack Mount Dispersion Compensation Module

### N Series Negative Dispersion Compensation Modules -

The 0301-N Series dispersion compensation modules provides a solution for dealing with existing high dispersion legacy installations. By the use of a negative dispersion fiber, the high positive dispersion can be fully compensated. When ordering, your requested length will be about 13% of the amount of standard SMF-28 that needs to be brought to zero dispersion, call us for more help in selecting the amount needed for your particular application.



Product Line	Size	Max. Delay	Max. Length	Total Dispersion	Max length of SMF-28 brought to 0 dispersion
0301-N	1U	110 $\mu$ s	24km	-1.6*10 <sup>5</sup> ps/nm	183.4km

Optical Properties	
Attenuation @ 1550nm	$\leq 0.55$ db/km
DCM Loss	$\sim 4$ dB+(length*.55)
IOR @ 1550nm	1.481
Zero Dispersion Wavelength	1550nm
Typical Dispersion Slope	-0.504
Typical Total Dispersion @ 1550nm	-130 ps/nm-km
Mechanical Properties	
Body Dimensions (in.)	16.6x1.72x13
Faceplate Dimensions	19x1.75 (1U)
Storage Temperature	-60°C to +85°C
Operating Temperature	-40°C to +85°C

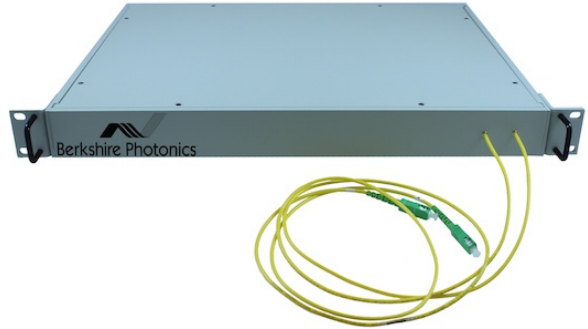
### Berkshire Photonics, LLC

88 Bee Brook Road P.O. Box 595 Washington Depot, CT 06794  
 Phone: (860)-868-0081 Fax: (860)-868-0492 E-mail: [info@berkshirephotonics.com](mailto:info@berkshirephotonics.com)  
[www.berkshirephotonics.com](http://www.berkshirephotonics.com)

## Ordering Information

0301-WXXX...-YY[B][P][M]

W = Coil Type	
N	Negative
XXX... = Delay in $\mu$ s	
10	10 $\mu$ s Delay
50	50 $\mu$ s Delay
110	110 $\mu$ s Delay
YY = Connector Type	
SA	SC/APC
SC	SC/UPC
FA	FC/APC
FC	FC/UPC
LA	LC/APC
LC	LC/UPC
EA	E2000/APC
Options	
B	Bulkhead
P	1 meter Pigtail Leads



### Examples:

0301-N100-SAP: 1U Enclosure, 100 $\mu$ sec DCM, with SC/APC pigtails

0301-N20-FAB: 1U Enclosure, 20 $\mu$ sec DCM, with FC/APC bulkhead adapters mounted on rear of enclosure.

## ***Berkshire Photonics, LLC***

88 Bee Brook Road P.O. Box 595 Washington Depot, CT 06794  
Phone: (860)-868-0081 Fax: (860)-868-0492 E-mail: [info@berkshirephotonics.com](mailto:info@berkshirephotonics.com)  
[www.berkshirephotonics.com](http://www.berkshirephotonics.com)

Revised: May 24, 2017