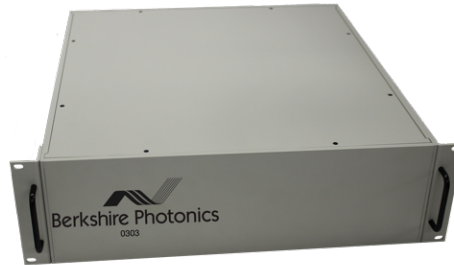


030V-Z Series - Rack Mountable Zero Dispersion Modules

Z Series Dispersion Compensation Modules -

The 030V-Z Series Zero Dispersion Modules provide a rack mountable dispersion shifted line providing a total final output with no chromatic dispersion. These units provide a precise delay time reference for radar calibration applications. They can also be used in site diversity applications where system timing is critical and are used to mimic existing fiber in the ground as a transparent switch between the local and diversity site. These enclosures are insulated to maintain thermal stability.

Product Line	Size	Max. Delay	Max. Length	Total Dispersion
0301-Z	1U	110 μ s	24km	~0
0303-Z	3U	350 μ s	72km	~0
0305-Z	5U	600 μ s	120km	~0



Optical Properties

The Z Series modules are designed to use multiple different types of fiber to operate. The optical specifications given are an average over the entire length of the coil

Attenuation @1550nm	≤ 0.21 db/km
Attenuation @1310nm	≤ 0.50 db/km
IOR @1550nm	1.4684
IOR @1310nm	1.4674
Zero Dispersion Wavelength	~1550nm
Zero Dispersion Slope	
Typical Dispersion Slope	
Typical Total Dispersion @1550nm	0 ps/nm-km

Mechanical Properties

	0301 Models	0303 Models	0305 Models
Body Dimensions (in.)	16.6x1.72x13	16.6x5.22x18	16.6x8.72x18
Faceplate Dimensions	19x1.75 (1U)	19x5.25 (3U)	19x8.75 (5U)
Storage Temperature	-60°C to +85°C	-60°C to +85°C	-60°C to +85°C
Operating Temperature	-40°C to +85°C	-40°C to +85°C	-40°C to +85°C

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Options

Midspan Breakouts

For some applications, particularly coils greater than 50km in length for 1550nm applications, higher signal levels and more configurability is required. For these cases, midspan breakouts can be placed at every 50km (about every 245 μ s) interval of the 0300 Series Delay and Dispersion Compensation Modules to allow the insertion of optical amplification (EDFA).

Pigtail Leads

If preferred, the standard bulkhead adapter for input and output can be replaced with one meter long pigtails with a male connector on the end.

Ordering Information

030V-WXXX...-YY[B][P][M]

V = Rack Unit Size	
1	19x1.75 (1U)
3	19x5.25 (3U)
5	19x8.75 (5U)
XXX... = Delay in μ s	
10	10 μ s Delay
100	100 μ s Delay
240	240 μ s Delay
Options	
B	Bulkhead
P	Pigtail Leads
M	Midspan Breakouts

W = Coil Type	
Z	Zero Dispersion
YY = Connector Type	
SA	SC/APC
SC	SC/UPC
FA	FC/APC
FC	FC/UPC
LA	LC/APC
LC	LC/UPC
EA	E2000/APC

Examples:

0303-Z10/Z25/Z50-FA: 3U Enclosure, Triple Zero Dispersion Delays 10 μ sec, 25 μ sec, & 50 μ sec, with FC/APC Adapters from rear
0305-Z400-SAP: 5U Enclosure, 400 μ sec zero dispersion, with SC/APC pigtails

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