NETWORK ATTENUATOR

DiCon's Network Attenuator is a stepper motor-based component which is used to adjust power levels in DWDM network transmission systems. It features a novel shutter design, which can be customized to provide any arbitrary relationship between insertion loss and control voltage.

FEATURES

- Low polarization dependent loss and wavelength flatness over the entire attenuation range
- Standard model features ultra-linear response function
- Customer-specified attenuation range and response function
- Optional input and output monitors

APPLICATIONS

Network Attenuators are used to adjust gain tilt in erbium-doped fiber amplifiers. Network attenuators can also be used for signal pre-emphasis of WDM lasers in long haul systems as well as power equalization in optical add/drop multiplexers and optical cross connects.

DiCon FIBEROPTICS, INC

SPECIFICATIONS[1]

Wavelength range	1525.0nm to 1575.0 nm	
Attenuation range	≥ 30 dB	
Attenuation resolution	≤ 0.1 dB	
Monotonicity	> 0 dB/step	
Minimum insertion loss[2]	0.6 dB max.	
Temperature dependence of attenuation[3]	0.15 dB max.	
Flatness	≤ 10 dB	0.1 dB max.
	10 to 30 dB	0.2 dB max.
Ripple[2]	0.05 dB max.	
PDL[2]	≤ 10 dB attenuation	0.10 dB max.
	10 to 30 dB attenuation	0.15 dB max.
PMD	0.10 ps max.	
Back-reflection	-55 dB max.	
Response speed	100 ms max.	
Repeatability of Attenuation setting	0.1 dB max.	
Fiber type	9/125 Corning SMF-28	
Fiber jacket	900 micron, tight buffer	
Optical power	300 mW max.	
Operating temperature	-5 °C to + 70 °C	
Storage temperature	-40 °C to + 85 °C	

1. All specifications referenced without connectors.
2. Tapless model.
3. Relative to 23 °C.

ORDERING INFORMATION

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Monitor

I	Input
O	Output
P	Input and output
N	None

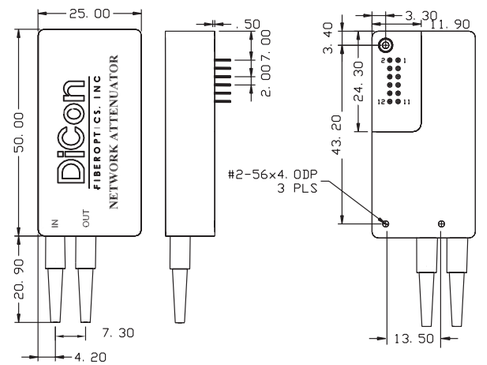
Connector Type

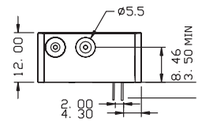
FC	FC/SPC
FC/APC	FC/APC
FC/UPC	FC/UPC
SC	SC/SPC
SC/APC	SC/APC
SC/UPC	SC/UPC
ST	ST/SPC
ST/UPC	ST/UPC
LC	LC/SPC
LC/UPC	LC/UPC
MU/UPC	MU/UPC
N	None

Pigtail Length

1	1 meter
X	Specify X meters

HOUSING DIMENSIONS





Units: mm

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