DYNAMIC GAIN EQUALIZER

MODULE

HIGH PERFORMANCE FOR THE MOST DEMANDING NETWORK REQUIREMENTS

Uses electronically programmable diffractive MEMS technology to attenuate seamlessly across C and L bands.

VOLTAGE CONTROLLED FAST DYNAMIC GAIN EQUALIZER

PARAMETER Wavelength range	SPECIFICATION C, L or extended band
Wavelength step response	15 dB in 4 nm
Attenuation range	> 15 dB
Insertion loss	< 5.7 dB end of life
Polarization dependent loss ¹	< 0.3 dB
Polarization mode dispersion	0.5 ps
Chromatic dispersion	± 3.0 ps/nm
Return loss	50 dB
Residual ripple	0.2 dB
Response speed	100 μs
Maximum optical power	500 mW
Package size (L x W x H)	220 x 110 x 19 mm
Interface	Dual port RAM or RS232
Operating temperature	0° to 70°C
Storage temperature	-40° to 85°C
Power consumption	< 10 W

1. From 0 to 10 dB attenuation

Dynamic Gain Equalizer DGEL420020

KEY FEATURES

- Slim package
- Low PDL
- Ease of control
 - o Industry standard interface
 - o Powerful, customizable commands

APPLICATIONS

- Flatten EDFA gain profiles
 - o Control gain shape changes caused by add/drops
 - Power control in dynamic EDFAs
 - o Power equalization in long haul transmission

Dynamic MEMS Components and Modules for Optical Networks



©2002 LIGHTCONNECT, INC. All rights reserved. All information contained herein is believed to be accurate and is subject to change without notice. No responsibility is assumed for its use. LIGHTCONNECT, INC. reserves the right to make changes, without notice, to product design, product components, and product manufacturing methods. Other product options may be available.