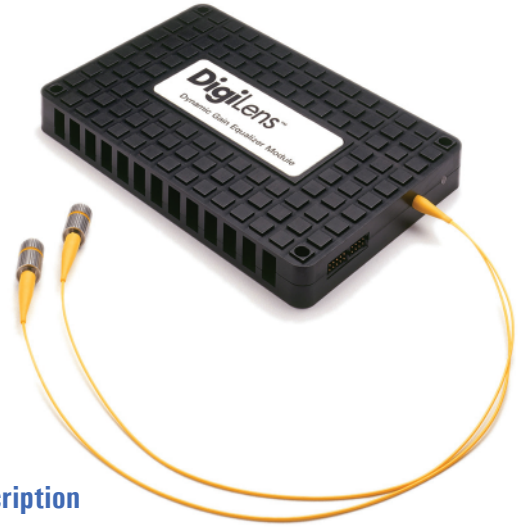
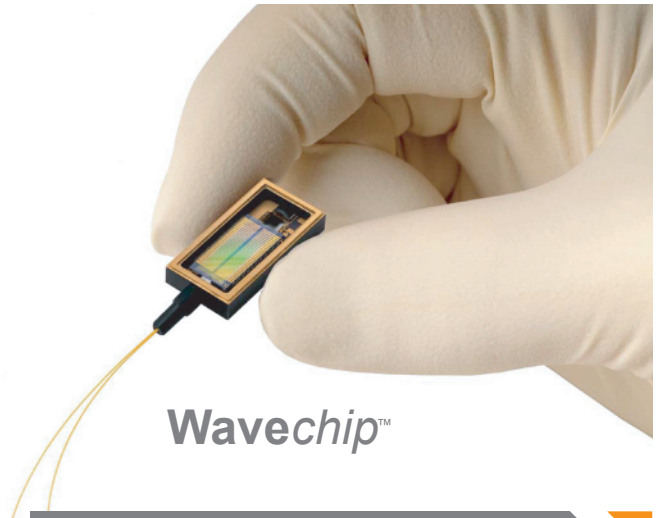
DigiLens™

DYNAMIC GAIN EQUALIZER MODULE

PRELIMINARY DATA SHEET





Description

Designed specifically for integration at the mid stage of optical amplifiers, the Dynamic Gain Equalizer dynamically compensates for the spectral fluctuations present in agile optical networks.

High spectral performance is matched with low power consumption and compact dimensions. A powerful 155mips Digital Signal Processor and control system are fully integrated within this compact plug 'n' play module. An intuitive Microsoft NT/Win2k compatible API may be customized using the DigiLens GFS software toolkit.

Features

- Solid state "Wavechip™" inside
- Small footprint
- Non-dispersive continuous spectrum
- Low power consumption
- Low insertion loss
- Plug 'n' play integrated module

Applications

- Dynamic gain flattening and gain shape control
- Add/Drop compensation
- Transient suppression
- Spectral tilt control

For detailed product data and sample availability, please call us today at 408 737 1100 or send an email to info@digilens.com

DGE130 MODULE SPECIFICATIONS

PARAMETER	Min	Max	Units
Wavelength Range	1528	1564	nm
Dynamic Range	--	15	dB
Minimum Attenuation Step	0.1	..	dB
Ripple	--	0.25	dB
Local Slope	0	2	dB/nm
Insertion Loss	--	< 4	dB
PDL	--	< 0.3	dB
Optical Return Loss	--	< -50	dB
Optical Power Handling	--	25	dBm
Power Consumption	--	< 4	Watts
Connector Type	*Specified by customer*		
Digital Interface	RS232 or Dual port RAM		
Dimensions	146mm x 98mm x 13mm		

MODULE DIMENSIONS