

GP750 PROGRAMMABLE INSTRUMENT

DYNAMIC POWER EQUALIZER PLUG-IN MODULE

DiCon's Dynamic Power Equalizer (DPE) Plug-In Module maintains optical power at a preset level for up to eight fiber channels. Each Plug-In Module is designed for easy integration into DiCon's GP750 modular system. All plug-in modules require no configuration and are hot swappable, providing true plug-and-play functionality.



FEATURES

- Precise repeatability
- Fast switching time
- MEMS durability and reliability

APPLICATIONS

The DPE Plug-In Module can be used in a broad range of optical power management applications, including channel balancing and matching, testing the dynamic range of optical systems, and limiting optical power at the inputs of sensitive test and measurement equipment.



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OPTICAL SPECIFICATIONS¹

PARAMETER		RATING
Insertion Loss ²	2%	1.2 dB max.
	5%	1.6 dB max.
	10%	1.8 dB max.
Dynamic Power Range	2%	-27 to 17 dBm
	5%	-32 to 13 dBm
	10%	-35 to 10 dBm
Attenuation Range		30 dB min.
Output Accuracy		+/- 0.3 dB max.
PDL	0 - 10 dB	0.1 dB max.
	10 - 20 dB	0.2 dB max.
	20 - 30 dB	0.3 dB max.
WDL ³	0 - 10 dB	0.5 dB max.
	10 - 20 dB	0.7 dB max.
	20 - 30 dB	1.2 dB max.
Back Reflection		-50 dB max.
Tuning Resolution		0.1 dB
Optical Power		23 dBm max.
Fiber Type		9/125 μm single mode

1. Specifications are without connectors.

2. IL is measured at CWL, 23°C.

3. WDL is measured in a +/- 20nm range at 23°C.

ORDERING INFORMATION

GPE - 1S - □ / □ - □ - 9 - □

Product Code

GPE DPE Module

Slot Width

1S 1-Slot Module

Number of Channels

N Number of Components
(Specify 1 < N ≤ 8)

Tap Ratio

2 2% Tap
5 5% Tap
10 10% Tap

Wavelength Range

13 1290 - 1330 nm
15 1530 - 1570 nm
16 1570 - 1610 nm
13/15 1290 - 1330 & 1530 - 1570 nm
15/16 1530 - 1570 & 1570 - 1610 nm

Fiber and Jacket Type

9 Corning SMF-28 9μm fiber
Or other equivalent 9μm Singlemode fiber

Connector Type

FC/SPC FC/SPC
FC/APC FC/APC
N NONE

Also Available: SC, SC/UPC, SC/APC, ST, ST/UPC, LC

MECHANICAL DIMENSIONS (Units: mm)

