

GP850 POWER MANAGEMENT

SINGLEMODE DPE PLUG-IN

DiCon's Dynamic Power Equalizer (DPE) Plug-In Module maintains optical power at a present level for up to eight fiber channels. Each plug-in module is designed for easy integration into DiCon's GP850 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

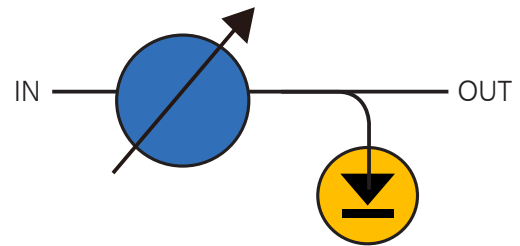
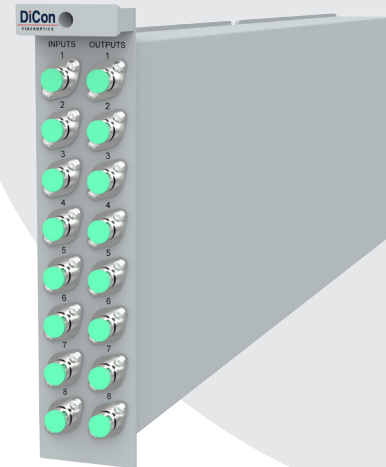
APPLICATIONS

- Power Equalization
- OSNR Measurements
- Input Power Adjustment for EDFAs

OPTICAL SPECIFICATIONS ¹

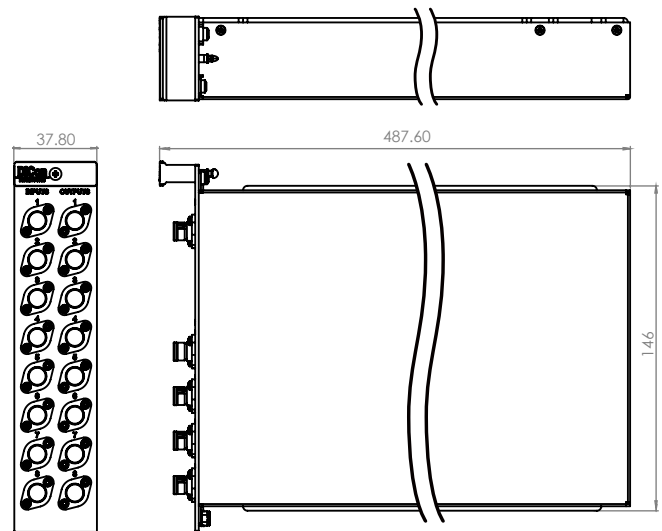
Insertion Loss ²	1%	1.1 dB max.	
	2%	1.2 dB max.	
	5%	1.6 dB max.	
	10%	1.8 dB max.	
Dynamic Power Range	1%	-25 to 20 dBm	
	2%	-28 to 17 dBm	
	5%	-32 to 13 dBm	
	10%	-35 to 10 dBm	
Output Accuracy ³		± 0.3 dB max.	
PDL ⁴	0 - 10 dB	0.15 dB max.	
	10 - 20 dB	0.2 dB max.	
WDL Flatness	Superior	0 - 1 dB ⁴	0.3 dB max.
		1 - 5 dB ⁴	0.4 dB max.
		5 - 10 dB ⁴	0.6 dB max.
		10 - 20 dB ⁴	0.8 dB max.
	Fine ⁶	0 - 20 dB ⁴	0.2 dB max.
Back Reflection		-50 dB max.	
Tuning Resolution		0.01 dB	
Optical Power		500 mW max.	
Fiber Type		9/125 um Singlemode	

1. All specifications are without connectors.
2. IL is measured at CWL, 23°C.
3. For closed-loop operation.
4. Operating from 1290 - 1330 nm or 1570 - 1610 nm adds 0.1 dB.
5. Operating from 1290 - 1330 nm or 1570 - 1610 nm adds 0.3 dB.
6. Maximum change every 2nm.
7. DiCon recommends use of external detectors or a dynamic power equalizer module for applications requiring absolute attenuation accuracy.



MECHANICAL SPECIFICATIONS

Dimensions in mm



GP850 POWER MANAGEMENT SINGLEMODE DPE PLUG-IN

ORDERING INFORMATION

GP8 - E - 1S - □ - □ - 9 - □ - □ - □ - N

Product Type	
E	MEMS DPE
Slot Width	
1S	1-Slot Module <i>Custom multi-slot modules available</i>
Configuration	
X/Y	X = # of Channels, Y = Tap Ratio %
Alignment Type	
T	Transparent
P	Opaque
Fiber Type	
9	SMF-28 <i>Or other equivalent 9um Singlemode fiber</i>
Wavelength Range	
O	1260-1360 nm
E	1360-1460 nm
S	1460-1530 nm
C	1530-1570 nm
L	1570-1625 nm
U	1625-1675 nm
<i>*Multiple wavelength ranges can be supported. Use "/" to add multiple ranges. For example: For 1260 - 1360nm & 1530 - 1570nm use O/C</i>	
Start Up State	
0	Channel 0 (Off state)
1	Channel 1
X	Channel X
Connector Type	
FC	FC / UPC
FC/APC	FC / APC
LC	LC / UPC
LC/APC	LC / APC
SC	SC / UPC
SC/APC	SC / APC
N	None
<i>*Other connector types available upon request</i>	
Connector Key Orientation	
N	None