

MODULAR GP700

VARIABLE ATTENUATOR PLUG-IN

DiCon's Variable Attenuator Plug-In sets attenuation levels in the 0-to-60dB range with better than 0.01dB resolution. The Plug-In is designed for easy integration into DiCon's GP700M Modular Mainframe.



FEATURES

- Precise Resolution
- Excellent Repeatability
- Wide Attenuation Range

APPLICATIONS

Motorized variable attenuators automatically adjust power levels in optical measurement systems. Applications include tuning power levels to minimize bit-error rates in WDM systems.



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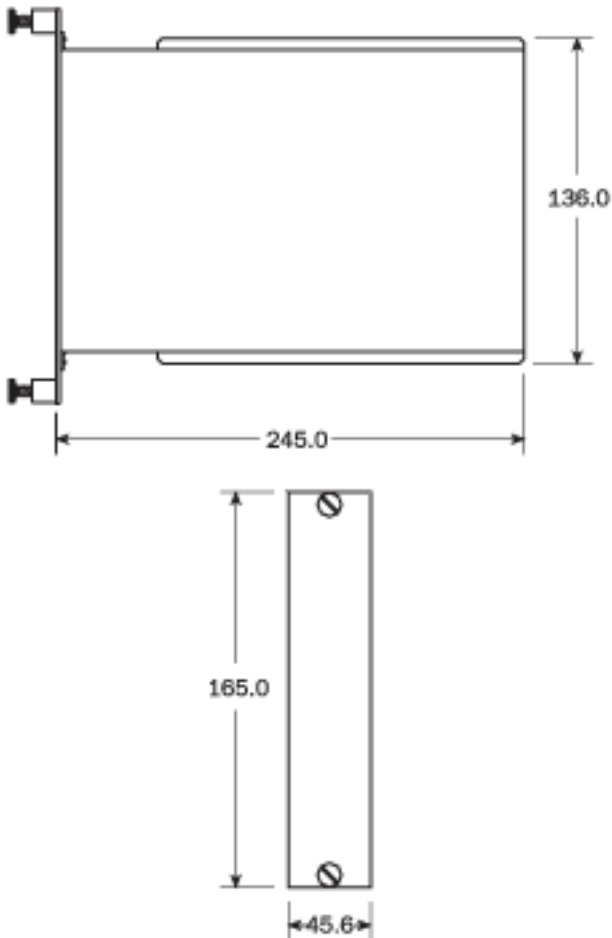
OPTICAL SPECIFICATIONS^{1,4}

PARAMETER	RATING		
Attenuation Range ²	0 - 10 dB	11 - 30 dB	31 - 60 dB
Repeatability	± 0.05 dB	± 0.1 dB	± 0.1 dB
Absolute Accuracy	± 0.1 dB	± 0.2 dB	± 0.25 dB
PDL ³	0.08 dB	0.1 dB	0.3 dB
Insertion Loss	0.6 dB typ.; 1.5 dB max.		
Back Reflection	-50 dB max.		
Tuning Speed	50 ms min., 1,400 ms max.		
Tuning Resolution	0.01 dB max.		
Damage Threshold	24 dBm min.		
Operating Temperature	0°C to +40°C		
Storage Temperature	-20°C to +60°C		
Humidity	40°C/90%RH/5 days		

1. All Specifications referenced without connectors.
2. Maximum attenuation for multimode components is 30 dB.
3. Single mode only. Measured at 1550 nm.
4. Performance results may vary depending on multimode launch condition.

MECHANICAL DIMENSIONS

(Units: mm)



ORDERING INFORMATION

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Calibration Wavelength¹

8	850 nm (multimode)
13	1310 nm
15	1550 nm

Fiber Type

9	9/125, SMF-28
50	50/125
62	62.5/125

Adapter 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/UPC
N	NONE

1. All wavelengths referenced to vacuum.

OPTICAL PERFORMANCE

