

GP850 MEMS VARIABLE OPTICAL ATTENUATOR

Singlemode MEMS VOA Slot Card

OPTICAL SPECIFICATIONS¹

Operating Wavelength		1260 to 1680 nm
Excess Loss ²		0.6 dB max. ³
WDL ⁵	0 to 5 dB	0.3 dB max. ⁴
	5 to 10 dB	0.5 dB max. ⁴
	10 to 20 dB	0.8 dB max. ³
PDL	0 to 15 dB	0.15 dB max. ⁴
	15 to 20 dB	0.2 dB max. ³
Tuning Resolution		0.01 dB max.
Back Reflection		-50 dB max.
Response Time ⁶		2 ms max.
Repeatability ⁷		0.1 dB max.
Durability ⁸		1 Billion Cycles min.
Optical Power ⁸		500 mW max.
Fiber Type		Singlemode

- 1. All specifications are measured separately at room temperature for each Test Wavelength
- 2. Measured with 3-jumper method or equivalent (See TIA/EIA 526-7)
- 3. Multi-band adds 0.2 dB
- 4. Multi-band adds 0.1 dB
- 5. WDL is defined within Test Wavelength ± 20 nm
- 6. Optical transition time; the actual processing delay to execute the attenuation command is longer
- 7. Repeatability is defined over 100 cycles
- 8. Met by design, not measured

ENVIRONMENTAL SPECIFICATIONS

Operating Temperature	0 to 50°C, < 85% RH
Storage Temperature	-40 to 70°C, < 40% RH

MECHANICAL SPECIFICATIONS

Slot Width	37.8 mm
Slot Depth	487.6 mm
Slot Height	146 mm

