

GP850 OPTICAL SWITCH

Singlemode 2x2 Configurable Switch Slot Card

OPTICAL SPECIFICATIONS¹

Operating Wavelength		1260 to 1680 nm
Insertion Loss ²	Blocking	0.8 dB max. ³
	Non-Blocking	1.0 dB max. ^{3,4}
	Add/Drop	0.8 dB max. ³
PDL ^{5,9}		0.1 dB max.
WDL ^{5,6,9}		0.2 dB max.
Repeatability ⁷		0.02 dB max.
Transition Time ^{8,9}		20 ms max.
Crosstalk ⁹		-50 dB max.
Back Reflection		-50 dB max.
Durability ⁹		1 Billion Cycles min.
Optical Power ⁹		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. In 2 to Out 2 path adds 0.8 dB
- 5. In 2 to Out 2 path adds 0.1 dB
- 6. WDL is defined within Test Wavelength ± 20 nm
- 7. Repeatability is defined over 100 cycles; In 2 to Out 2 adds 0.02 dB
- 8. Optical transition time for all ports switching concurrently, not including command processing overhead
- 9. 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

