

MEMS VARIABLE OPTICAL ATTENUATOR

Polarization Maintaining Fiber

OPTICAL SPECIFICATIONS¹

Operating Wavelength	1260 to 1680 nm	
Excess Loss ²	0.6 dB max.	
WDL ³	0 to 1 dB	0.3 dB max. ⁴
	1 to 5 dB	0.5 dB max. ⁴
	5 to 10 dB	0.6 dB max. ⁴
	10 to 20 dB	1.0 dB max. ⁴
PER ⁵	16 dB min.	
Back Reflection	-50 dB max.	
Response Time	2 ms max.	
Repeatability ⁶	0.1 dB max.	
Durability ⁷	1 Billion Cycles min.	
Optical Power ⁷	500 mW max.	
Fiber Type	Panda PM	

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. WDL is defined within Test Wavelength ± 20 nm
4. O-band adds 0.1 dB
5. PER is defined with connectors; PER without connectors is 18 dB minimum
6. Repeatability is defined within 100 cycles
7. Met by design, not measured

ELECTRICAL SPECIFICATIONS

Latching Type	Non-latching
Control Type	RS232, I ² C, or USB
Supply Voltage	12 VDC
Power Consumption	9.5 W Max. Operating 4.5 W Max. Start Up
Connector Type	Samtec P/N: STMM-018-02-G-D
Mating Connector	Samtec P/N: TCSD-08-01-F-N

MECHANICAL SPECIFICATIONS

Dimensions in mm

