

MULTI-CHANNEL MEMS VOA MODULE

Singlemode Fiber

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	2 ms max.	
Repeatability ⁶	0.1 dB max.	
Durability ⁷	1 Billion Cycles min.	
Optical Power ⁷	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. Repeatability is defined over 100 cycles
7. Met by design, not measured

ELECTRICAL SPECIFICATIONS

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

MECHANICAL DRAWING

Dimensions in mm

