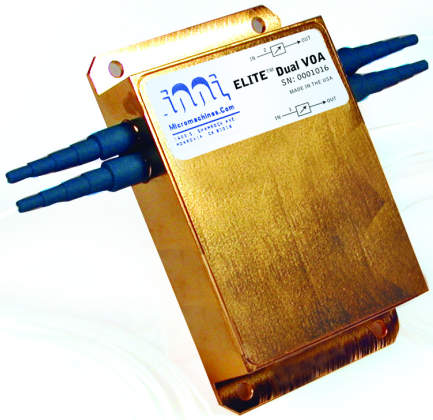
ELITE™ Dual VOA



Integrated Micromachines Inc.
1400 S.Shamrock Ave.
Monrovia,CA 91016

[P] 626.256.7800

[F] 626.256.8400

The ELITE™ MEMS-based dual variable optical attenuator (VOA) is dynamically controllable and has extremely low insertion loss and polarization dependent loss. The device operates over both C and L bands. The VOA is available in both hermetic and non-hermetic packages. The control voltage range is 0-2.5 V with a maximum supply current of 60 mA per channel.

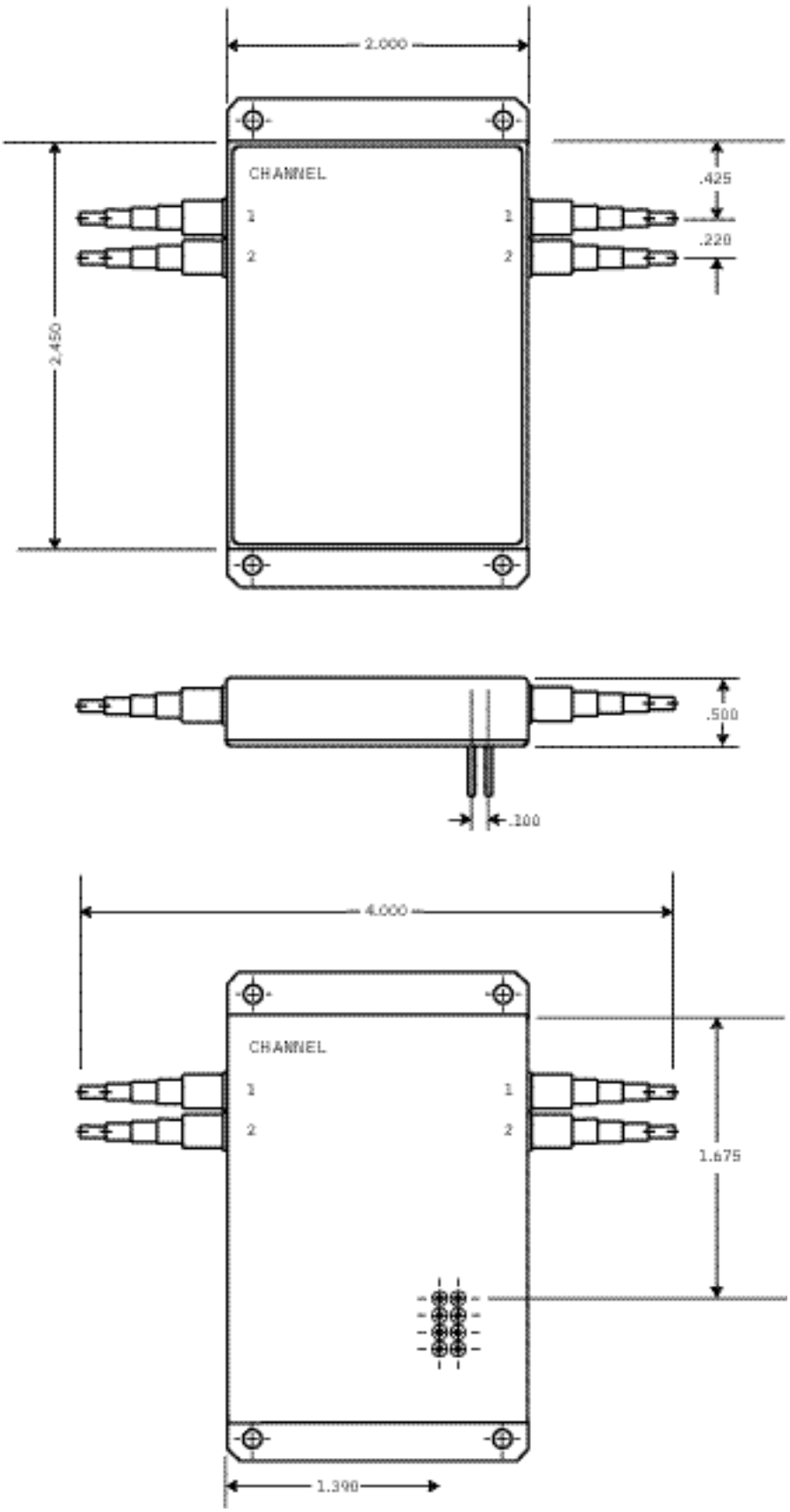
Applications

- Power equalization
- Gain-tilt control
- Power control in WDMs and configurable networks
- Power control for sensitive receivers

Operational wavelength range[1]	C and L bands
Switching time[2]	< 10 ms
Maximum optical input power	300 mW
Operating life	>10 years, >10^7 cycles
Operating temperature range	-5º C to 70º C
Storage temperature range	-40º C to 85º C
Insertion loss[3]	< 0.5 dB (typical) < 1.0 dB (max)
Attenuation range	20 dB,and 40 dB options
Backlash	0.0 dB
Return loss	< -50 dB
PMD	< 0.1 ps
PDL	< 0.2 dB or < 1.5% of set attenuation (whichever is greater)
Operating power	< 60 mA @ +/- 5 V per channel
Temperature dependent loss variation	0.2 dB (max)
Wavelength dependent loss variation[4]	+/- 0.1 dB (max)
Preliminary dimensions[5] (W x L x H)	63 mm x 51 mm x 13 mm

1.VOA can be optimized for either 1310 nm or C and L bands.
2.At less than 1dB ripple.
3.Insertion loss specified without connectors.
4.Over the optimized wavelength band.
5.Excluding strain relief and connector pins.
The product shall conform to the applicable requirements of Telcordia GR-910,GR-1221,GR-63

ELITE™ Dual VOA



DIMENSIONS NOT TO SCALE, DIMENSIONSIN INCHES