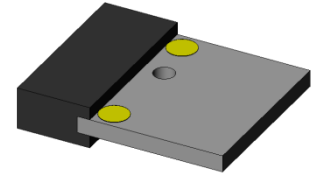


Free-Space MEMS Variable Optical Attenuator

(patents pending)

Product Description

The EM Series VOA is based on a proprietary micro-electro-mechanical mechanism featuring compact design, simple construction, easy direct drive, and excellent optical performance. The EM series VOA is compliant with the Telcordia 1209 and 1221 reliability standards. The VOA is driven by applying an electrical voltage.



Performance Specifications

Temperature Dependent Loss ²	@10dB	0.4	0.7	dB
	@20dB	0.8	1.2	dB
Attenuation Resolution		Continuous		
Response Time		30	40	ms
Driving Voltage*		3.5		V
Power Consumption*		50	100	mW
Shutter Motion Distance		500		μm
Optical Power Handling		300	500	mW
Operating Temperature		-5	75	°C
Storage Temperature		-40	85	°C
Chip Dimension		4X3.5 or 5X3.5		mm
Notes:				
* For full dynamic range.				

Features

- Compact
- Low Cost
- High Reliability
- Low IL, PDL, WDL & TDL
- Low Power Consumption

Applications

- Power Control
- Power Regulate
- Channel Balance
- Instrumentation

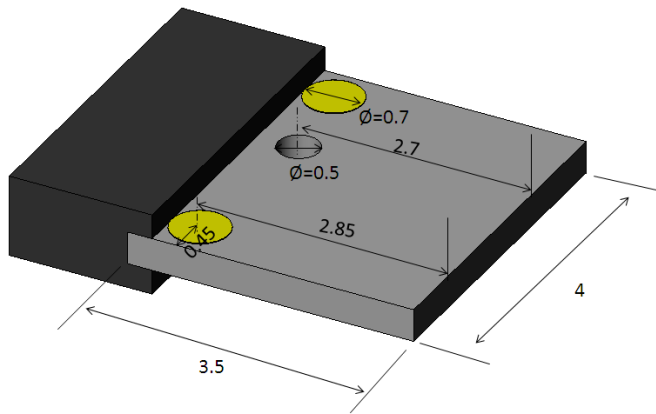


Revision: 060-19
07-10-12

MEMS Variable Optical Attenuator

Mechanical Footprint Dimensions (mm)

Standard Package



All Pin diameter = .45mm



NOTES

- Pin1 and Pin2 are for control voltage without polarity.
- Do not apply more than 6V.

Ordering Information

FSVOA-	1	1	<input type="checkbox"/>	<input type="checkbox"/>	1	1	1	1
	Type	Wavelength	Off State	Package				
			Bright=1 Dark=0	Standard=1 Special=0				

