MEMS VOA

Specifications - LOWO series

Parameters	Unit	SUN-VOA
Operation Wavelength [1]	nm	1260~1650
Attenuation Type		Dark or Bright
Attenuation Range	dB	40
Insertion Loss [2]	dB	<0.8
Attenuation Resolution		Continue
WDL	dB	<1.0@15dB
PDL	dB	<0.2@15dB
Return Loss	dB	≥50
Response Time [3]	ms	1
Driving Voltage [4]	V	<6
Driving Power	μw	<5
Operating Temperature	℃	-5~70
Storage Temperature	℃	-40~85
Max Optical Power	mW	500
Package Size（Dia× L）	mm	5.5×19±0.3
Durability	Cycle	≥10^9

Note： 1 Wavelength near 850, 1060, 1310 is optional
2 Typical value 0.6dB, without connector
3 Full range
4 Maximum voltage for full range

Ordering Information: SUN-VOA-LOWO-A-B-C-D-E-F-G

A	B	C	D	E	F	G
Attenuation Range	Test wavelength	Polarization status	Attenuation w/o voltage	Tube Type	Fiber Length (Include connector)	Connector
1：20dB 2：30dB 3：40dB	13：1310 15：1550 X：other	NM：Not Maintain	BR：Bright DK：Dark	BA: Bare Fiber LS: with Loose tube	10: 1.0m±5cm 15: 1.5m±5cm 22: 2.2 m±5cm X: Others	OO:None FP: FC/PC FA: FC/APC SU: SC/UPC SA: SC/APC STP: ST/PC LP: LC/UPC LA: LC/APC X: Others

For example: SUN-VOA-LOWO-1-15-NM-BR-BA-15-FP

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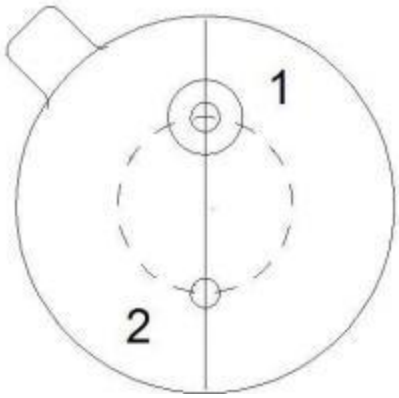
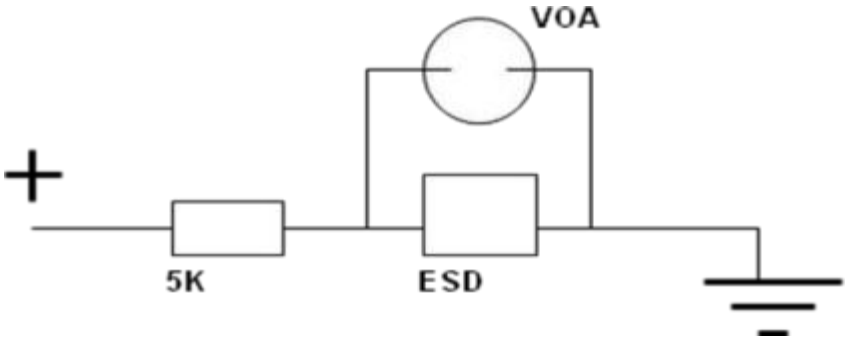
Electrical Specification

Pins	Electrics connection
1	Control signal (+)
2	Ground
Input Impendence >1MΩ	



Control Description

Pin 2 connect to GND. Housing is also connect to GND. In peripheral circuit, an ESD component is connected in parallel between pin 1 and pin 2. When operating, a 5K resistance is used to connect to power supplier.



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