Polarization Maintaining MEMS Variable Optical Attenuator Normally Open (VOA) 980nm FCAPC

Product Description

Idealphotonics’ polarization-maintaining MEMS variable optical attenuator (VOA) is driven by a micro-electromechanical MEMS chip and utilizes electrostatic drive to rotate the reflector to achieve continuous adjustable attenuation of the input light. It has two types: bright state and dark state.

Product features

Low insertion loss、 High attenuation, continuously adjustable、 High repeatability and long service life、 Small size、 Complies with GR-1209 and GR-1221 standards

- **Part Number**

MP-VOA-MEMS-980-1-9-PMA

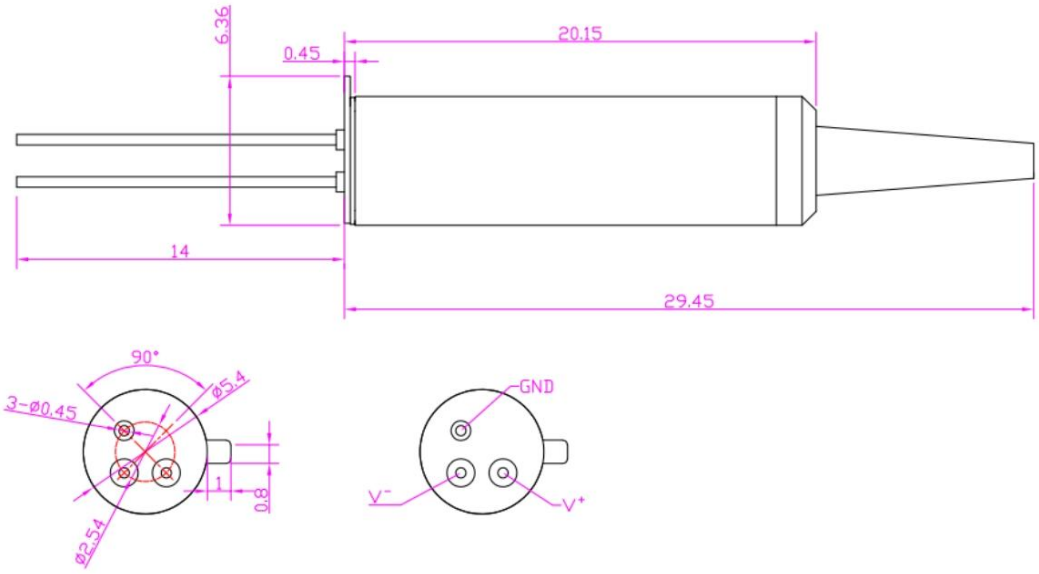
- **Application area**

Power Control in EDFA、 Wavelength Division Multiplexer (WDM) and Power Control in Configurable Networks

- **Core parameters**

Wavelength	Insertion Loss	Max.Power
980nm	⩽1.2dB	⩽500mW

- **Dimension Drawing**



• General Parameters

Main Specifications

Parameter	Unit	PM
Attenuation Type	nm	Normally Open
Wavelength	nm	980m
Extinction ratio	dB	⩾16db
Attenuation range	dB	⩾40
Insertion Loss (IL)	dB	⩽1.2
Return loss	dB	⩾45
Repeatability	dB	⩽0.03dB@ATT⩽20dB
Operating temperature	℃	-5~70
Storage temperature	℃	-40~85
Switching speed	ms	⩽3
Life	Cycle	⩾1x10 ^{9}
Maximum optical power	mW	⩽500
Driving voltage	V	0~7V
Fiber and Tubing Types	PM 980 (Panda type) / 0.9mm	
Fiber length	1m±0.05m	
Connector Type	FC/APC slow axis alignment	

Note: 1. The above test loss (IL) is based on the test results at 23°C;

2. Repeatability data is based on 100 cycle repeated test results.

Ordering information

MP-VOA-MEMS-□□□□-☆-△-XX

W□□□□:Wavelength

980:980nm

★:Pigtail Length

1:1m

△:Loose Tube

B:Bare Fiber

9:900um Loose Tube

20:2mm Loose Tube

XX:Fiber and Connector Type

PMA=PM Fiber+FC/APC

PMP=PM Fiber+FC/PC