COREMORROW
Piezo Nano Motion

Make Your Motion and Control More Accurate!

X axis | H01.9

Piezo Fiber Stretchers

Introduction

The H01.9 fiber phase modulator is designed for fiber stretching and fiber phase modulation applications. It is compact, compact and easy to integrate.

Characteristics »

- Straight stretching stroke up to 7μm
- The fiber stretch length is about 14μm
- 0~150V voltage
- Light weight

Applications »

- Fiber stretching
- Fiber optic sensor
- Optical fiber intensity, optical wavelength adjustment

Harbin Core Tomorrow Science & Technology Co., Ltd.

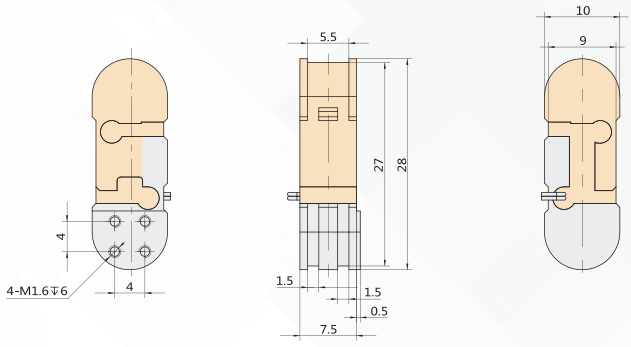
Tel: +86-451-86268790
Fax: +86-451-86267847
Email: info@coremorrow.com
Web: www.coremorrow.com
Headquarters: Building I2, No.191 Xuefu Road, Nangang District, Harbin
Shanghai Office: Building 2, No.608 Shengxia Road, Pudong District, Shanghai

Technical Data »

Type	H01.9	Units
Motion	X	
Travel range(0~120V)	7	μm±20%
Fiber stretching length	14	μm±20%
Fiber bend radius	4.5	mm
Fiber wind	4	turns
Driving voltage	0~150	V
Resolution	0.1	nm
Unloaded step time	0.2	ms±20%
El. capacitance	0.18	μF±20%
Operating temperature[1]	-20~80	℃
Material	Steel	
Mass	25	g±5%
Size	28×10×8	mm
Cable length[2]	1.5	m±10mm
Sensor/voltage connector[2]	-	

Note: The above parameters are measured using E00 piezo controllers. The max driving voltage can be -20~150V; For high-reliability long-term use, the recommended driving voltage is 0~120V.[1] Custom ultralow temperature and ultrahigh vacuum versions are available.
[2] Custom cable length and connector is available.
Note: The parallelism of the moving platform is about 20μm, and the roughness is about 1.6 to 3.2. Please contact the sales engineer for confirmation before purchase.

Drawing »



Recommended Controllers »

E01.C1
LCD, membrane button, up to 625mA
RS-232/RS-422/USB interface
Software secondary development

E53.C
Small size, 60mA
RS-232/RS-422/USB interface
Software secondary development

Harbin Core Tomorrow Science & Technology Co., Ltd.

Tel: +86-451-86268790
Fax: +86-451-86267847
Email: info@coremorrow.com
Web: www.coremorrow.com
Headquarters: Building I2, No.191 Xuefu Road, Nangang District, Harbin
Shanghai Office: Building 2, No.608 Shengxia Road, Pudong District, Shanghai