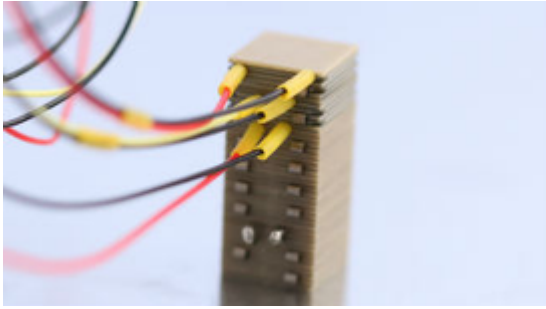


## NAC3403-H12.6

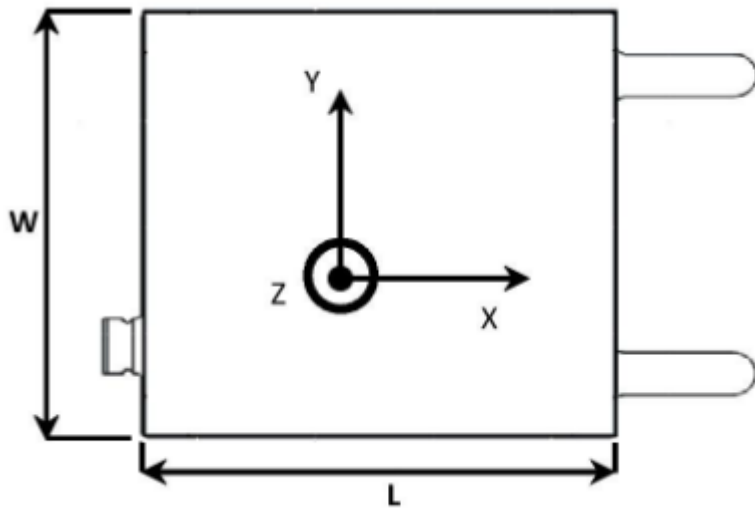


The Noliac shear stack NAC3403-H12.6 features motion in the X/Y/Z-axis. NAC3403-H12.6 measures 10x10 mm with a height of 12.6 mm and provides free stroke of 3/3/3  $\mu\text{m}$  and a capacitance of 6.6/6.6/42.7 nF.

### SPECIFICATIONS

Attributes	Value	Tolerance
Chamfers	X/Y/Z	
Length / outer diameter	10 mm	+/-0.20 mm
Width / inner diameter	10 mm	+/-0.20 mm
Height	12.6 mm	+/-0.05 mm
Operating voltage, max.	$\pm 320 \text{ V}$	
Free stroke, from -Vmax to +Vmax	3 $\mu\text{m}$	+/- 20%
Capacitance	6.6/6.6/42.7 nF	+/- 20%
Maximum operating temperature	150 °C	
Material	NCE51	
Unloaded resonance frequency	107/107/107 kHz	

## DRAWINGS



## MOUNT AND CONNECT

### Colour code

- Isolation plate: yellow
- Shear plate actuators X-motion: red
- Shear plate actuators Y-motion: blue
- Shear plate actuators Z-motion: clear yellow
- Electrodes: grey

### End plates

As standard, the shear stacks are enclosed with 2 isolation end plates made from non-polarized piezoelectric material.

Please contact us for other options. Read more about [Noliac end plates](#).

### Operating voltage

From  $-V_{max} = -320$  V to  $+V_{max} = +320$  V for X, Y and Z motions

### Free stroke

Free stroke have been measured at room temperature

### Operating temperature

Standard operating temperature from  $-25$  °C to  $85$  °C

### Capacitance

Capacitance is measured at 1 Vpp, 1kHz

## WIRES

As standard, the shear stacks are delivered with these wires:

- 28 AWG PTFE Insulated Wires (red for X-motion, blue for Y-motion and yellow for Z-motion)

Please contact us for other wiring options.

### **Electrodes**

As standard, the shear stacks are delivered with with these electrodes:

- Stainless steel 1.4304

Please contact us for other electrode options.

Read more under Mount and connect.