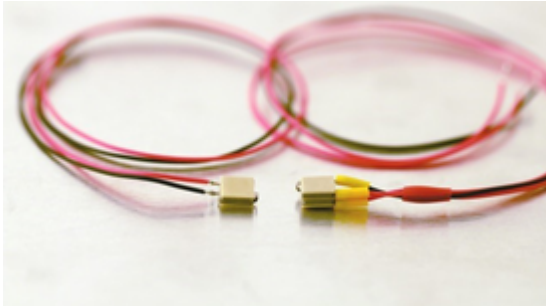


## NAC2403-H3.4



The Noliac shear stack NAC2403-H3.4 features shear motion on the X-axis. NAC2403-H3.4 measures 10x10 mm with a height of 3.4 mm and provides free stroke of 6  $\mu$ m and a capacitance of 13.3 nF.

### SPECIFICATIONS

| Attributes                       | Value                             | Tolerance  |
|----------------------------------|-----------------------------------|------------|
| Chamfers                         | X 0,00                            |            |
| Length / outer diameter          | 10 mm                             | +/-0.20 mm |
| Width / inner diameter           | 10 mm                             | +/-0.20 mm |
| Height                           | 3.4 mm                            | +/-0.05 mm |
| Operating voltage, max.          | $\pm$ 320 V                       |            |
| Free stroke, from -Vmax to +Vmax | 6 $\mu$ m                         | +/- 20%    |
| Capacitance                      | 13.3 nF                           | +/- 20%    |
| Maximum operating temperature    | 150 °C                            |            |
| Material                         | NCE51                             |            |
| Unloaded resonance frequency     | 1st minor: 148 2nd major: 240 kHz |            |

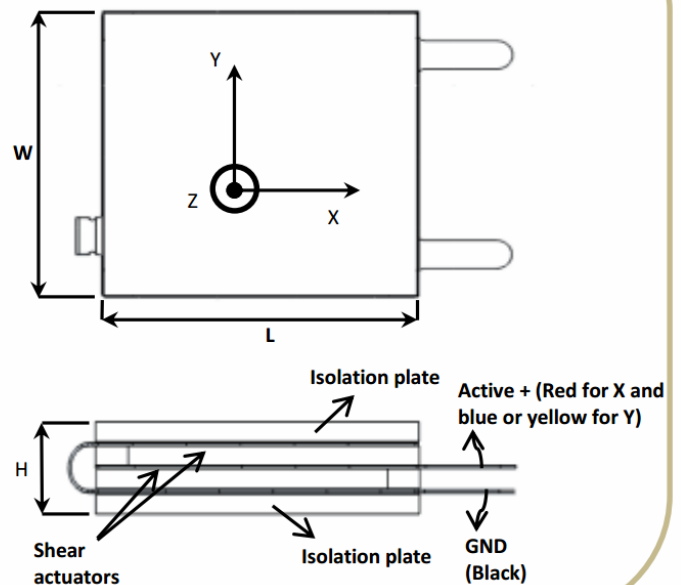
### DRAWINGS

## Multi-axis piezoelectric shear actuator stacks

## Standard features

- X and X/Y motions
- Smart design
- -320 V to +320 V maximum operating voltage for all motions
- Ideal for all stick and slip and nanopositioning applications
- Top and bottom isolations included
- Non-magnetic ultra-thin electrodes

*The informative here opposite drawing is for a 2 shear plate configuration of X-motion. See the table below for other standard offers.*



## WIRES

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

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



Your piezo partner

Please contact us for other wiring options.