

ECSx5050/StSt/NUM+/HV

1011446

Technical Specifications

| | |
|---------------------------------------|---|
| Size and Dimensions | |
| footprint; height | 50 mm x 50 mm; 9.5 mm |
| maximum installation space | 50 mm x 71.6 mm; 9.5 mm |
| weight (aluminium version) | 70 g |
| Materials | |
| positioner body | stainless steel |
| actuator | PZT ceramics |
| connecting wires | copper, jacket: RT: silicon, HV/UHV: fiberglass |
| Coarse Positioning Mode | |
| travel range (step mode) | 30 mm |
| maximum drive velocity @ 300 K | 4.5 mm/s |
| Fine Positioning Mode | |
| fine linear positioning range @ 300 K | 1.6 μ m |
| fine positioning resolution | sub-nm |
| Position Encoder | |
| readout mechanism | optoelectronic sensor |
| encoded travel range | entire travel |
| sensor resolution | 1 nm |
| repeatability | 50 nm (bidirectional) |
| Load (@ ambient conditions) | |
| maximum load | 15 kg |
| maximum dynamic force along the axis | 1 N |

