

ANSxy50/LT/HV xy-Scanner made from Titanium

1001093

Technical Specifications

| | |
|---|-----------------------------------|
| Size and Dimensions | |
| footprint; height | 15 mm x 15 mm; 7 mm |
| maximum installation space | 15 mm x 15 mm; 7 mm |
| weight | 7 g |
| Materials | |
| positioner body | titanium |
| actuator | PZT ceramics |
| connecting wires | insulated twisted pair, copper |
| Fine Positioning Mode | |
| fine linear positioning range @ 300 K | 30 x 30 μm |
| fine linear positioning range @ 4 K | 15 x 15 μm |
| fine positioning resolution | sub-nm |
| typical actuator capacitance fine @ 300 K | 1.1 μF |
| typical actuator capacitance fine @ 4 K | 0.2 μF |
| input DC voltage range @ 300 K | 0 - 60 V |
| input DC voltage range @ 4 K | 0 - 150 V |
| * | scan range depends on environment |
| Load (@ ambient conditions) | |
| maximum load | 50 g |
| General Specifications | |
| environment | /LT/HV |

