

ANSxy100lr/LT/UHV xy-Scanner made from Titanium

1000678

Technical Specifications

| | |
|---|-----------------------------------|
| Size and Dimensions | |
| footprint; height | 24 mm x 24 mm; 10 mm |
| maximum installation space | 24 mm x 24 mm; 10 mm |
| weight | 18 g |
| height | 10 mm |
| Materials | |
| positioner body | titanium |
| actuator | PZT ceramics |
| connecting wires | insulated twisted pair, copper |
| Fine Positioning Mode | |
| fine linear positioning range @ 300 K | 50 x 50 μm |
| fine linear positioning range @ 4 K | 30 x 30 μm |
| fine positioning resolution | sub-nm |
| typical actuator capacitance fine @ 300 K | 5.55 μF |
| typical actuator capacitance fine @ 4 K | 0.75 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 | 100 g |
| General Specifications | |
| environment | /LT/UHV |

