ANRv220

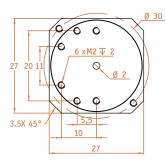


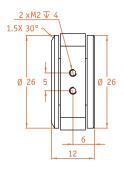
Technical Specifications

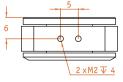
| Technology | |
|--------------------------------------|--------------------------------|
| travel mechanism | inertial piezo drive |
| positioner type | rotator |
| Size and Dimensions | |
| footprint; height | 12x27; 27mm |
| weight | g |
| Materials | |
| positioner body | Beryllium Copper and Titanium |
| actuator | PZT ceramics |
| connecting wires | insulated twisted pair, copper |
| Options | |
| environmental options | /RT |
| Load (@ ambient conditions) | |
| maximum load | 1 N |
| maximum dynamic torque around axis | 1 Ncm |
| maximum torque perpendicular to axis | 10 Ncm |
| Coarse Positioning Mode | |
| input voltage range | 0 - 60 V |
| travel range (step mode) | 360 ° |
| maximum drive velocity @ 300 K | approx. 30 °/s |
| typical minimum step size @ 300 K | 1 m° |
| typical minimum step size @ 4 K | 0.5 m° |

| Fine Positioning Mode | |
|--|-------------------------------------|
| fine positioning resolution | μ° |
| fine angular positioning range @ 300 K | 50 m° |
| fine angular positioning range @ 4 K | 9 m° |
| input DC voltage range @ 300 K | 0 - 100 V |
| input DC voltage range @ 4 K | 0 - 150 V |
| Accuracy of Movement | |
| repeatability of step sizes | typically 5 % over full range |
| typ. forward / backward step asymmetry | typically 5 % |
| wobble | ± 0.1 mrad |
| Working Conditions | |
| mounting orientation | axis horizontal |
| magnetic field range | 0-31T |
| minimum pressure (/RT) | ambient |
| temperature range (/RT) | 273K 373K |
| Connectors and Feedthroughs | |
| cable | 30 cm cable with connector |
| connector type | 2-pole pin plug, ø 0.5 mm, d = 2 mm |
| electrical feedthrough solution | VFT/LT |
| Versions | |
| /RT version | 1006356 |
| | |

Technical Drawings









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