

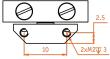
## ANRv51

## **Technical Specifications**

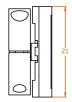
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|--------------------------------------|--|
| Technology                           |  |
| travel mechanism                     | inertial piezo drive                           |
| positioner type                      | rotator  |
| Size and Dimensions                  |  |
| footprint; height                    | 20x10; 21mm                                    |
| aperture                             | 1.5 mm   |
| weight                               | g  |
| Materials                            |  |
| positioner body                      | titanium (upgrade option: copper<br>beryllium) |
| actuator                             | PZT ceramics                                   |
| connecting wires                     | insulated twisted pair, copper                 |
| Options                              |  |
| environmental options                | /RT  |
| Load (@ ambient conditions)          |  |
| maximum load                         | 0.2 N  |
| maximum dynamic torque around axis   | 0.2 Ncm  |
| maximum torque perpendicular to axis | 5 Ncm  |
| Coarse Positioning Mode              |  |
| input voltage range                  | 0 - 60 V                                       |
| travel range (step mode)             | 360 °  |
| maximum drive velocity @ 300 K       | approx. 10 °/s                                 |
| typical minimum step size @ 300 K    | 1 m°   |
| typical minimum step size @ 4 K      | 0.5 m°   |
|                                      |  |

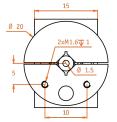
| μ°                                  |  |
|-------------------------------------|--|
| 30 m°                               |  |
| 4 m°                                |  |
| 0 - 60 V                            |  |
| 0 - 150 V                           |  |
| Accuracy of Movement                |  |
| typically 5 % over full range       |  |
| typically 5 %                       |  |
| ± 1 mrad                            |  |
|                                     |  |
| axis horizontal                     |  |
| 0 - 31 T                            |  |
| ambient                             |  |
| 273K 373K                           |  |
|                                     |  |
| 30 cm cable with connector          |  |
| 2-pole pin plug, ø 0.5 mm, d = 2 mm |  |
| VFT/LT                              |  |
|                                     |  |
| 1003297                             |  |
|                                     |  |

## Technical Drawings









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