

# ANR51/RES/UHV - rotator (360° endless)

1003294

## Technical Specifications

<b>Size and Dimensions</b>	
footprint; height	15 mm x 15 mm; 9.5 mm
weight	10 g
height	9.5 mm
<b>Materials</b>	
positioner body	titanium
actuator	PZT ceramics
connecting wires	insulated twisted pair, copper
<b>Coarse Positioning Mode</b>	
travel range (step mode)	360 ° endless
maximum drive velocity @ 300 K	~ 10 °/s
input voltage range	0 - 60 V
typical actuator capacitance @ 300 K [μF]	1.9
<b>Fine Positioning Mode</b>	
fine angular positioning range @ 300 K	40 m°
fine positioning resolution	μ°
input DC voltage range @ 300 K	0 - 60 V
<b>Position Encoder</b>	
readout mechanism	resistive sensor
encoded travel range	315°
sensor resolution	~ 6 m°
sensor power (when measuring)	0.01 - 1 mW
repeatability	50 m° (unidirectional)
<b>Load (@ ambient conditions)</b>	
maximum load	30 g
maximum dynamic torque around axis	0.2 Ncm
<b>General Specifications</b>	
environment	/UHV

