

ANRv220/RES/LT/UHV - rotator (360° endless)

1006368

Technical Specifications

Size and Dimensions	
footprint; height	27 mm x 12 mm; 27 mm
weight	38 g
height	28.5 mm
Materials	
positioner body	beryllium copper & titanium
actuator	PZT ceramics
connecting wires	insulated twisted pair, copper
Coarse Positioning Mode	
travel range (step mode)	360 ° endless
maximum drive velocity @ 300 K	~ 30 °/s
input voltage range	0 - 60 V
typical actuator capacitance @ 300 K [µF]	2.1
Fine Positioning Mode	
fine angular positioning range @ 300 K	70 m°
fine angular positioning range @ 4 K	14 m°
fine positioning resolution	µ°
input DC voltage range @ 300 K	0 - 100 V
input DC voltage range @ 4 K	0 - 150 V
Position Encoder	
readout mechanism	resistive sensor
encoded travel range	315°
sensor resolution	~ 6 m°
sensor power (when measuring)	0.01 - 1 mW
repeatability	50 m° (unidirectional)
Load (@ ambient conditions)	
maximum load	100 g
maximum dynamic torque around axis	1 Ncm
General Specifications	
environment	/LT/UHV

