

ANRv51/RES

Technical Specifications

to at late and to
inertial piezo drive
rotator
20x10; 21mm
1.5 mm
g
titanium (upgrade option: copper beryllium)
PZT ceramics
insulated twisted pair, copper
/RT
0.2 N
0.2 Ncm
5 Ncm
0 - 60 V
360°
approx. 10°/s
1 m°
0.5 m°

Fine Positioning Mode	
fine positioning resolution	μ°
fine angular positioning range @ 300 K	30 m°
fine angular positioning range @ 4 K	4 m°
input DC voltage range @ 300 K	0 - 60 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	± 1 mrad
Position Encoder	
readout mechanism	resistive sensor
encoded travel range	315°
sensor power (when measuring)	0.01 - 1 mW
sensor resolution	approx. 6 m°
repeatability	50 m° (unidirectional)
linearity (over full travel)	< 1 %
Working Conditions	
mounting orientation	axis horizontal
magnetic field range	0 - 31 T
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
encoder connector	additional 3-pole plug
Versions	
/RT version	1003303

Technical Drawings









