

ECR3030/AI/NUM/RT

1006207

Technical Specifications

Size and Dimensions	
footprint; height	30mm x 30 mm; 13.5 mm
weight (aluminium version)	28 g
height	13.5 mm
Materials	
positioner body	aluminum
positioner body (/HV, /UHV)	stainless steel
actuator	PZT ceramics
connecting wires	copper, jacket: RT: PTFE, HV/UHV: fiberglass
Coarse Positioning Mode	
travel range (step mode)	360 ° endless
maximum drive velocity @ 300 K	10 °/s
input voltage range	0 - 45 V
Fine Positioning Mode	
fine angular positioning range @ 300 K	12 m°
fine positioning resolution	μ°
input DC voltage range	0 - 45 V
Position Encoder	
readout mechanism	optoelectronic sensor
encoded travel range	360°
sensor resolution	0.01 m°
sensor power (when measuring)	300 mW
repeatability	1 m° (bidirectional)
Load (@ ambient conditions)	
maximum load	500 g
maximum dynamic torque around axis	0.5 Ncm
Error Motion	
wobble	<0.7 mrad
General Specifications	
environment	/RT

