

# ECR3030/AI/NUM/RT

1006207

## Technical Specifications

<b>Size and Dimensions</b>	
footprint; height	30mm x 30 mm; 13.5 mm
weight (aluminium version)	28 g
height	13.5 mm
cable	50 cm cable with connector
<b>Materials</b>	
positioner body	aluminum
positioner body (/HV, /UHV)	stainless steel
actuator	PZT ceramics
connecting wires	copper, jacket: RT: PTFE, HV/UHV: fiberglass
<b>Coarse Positioning Mode</b>	
travel range (step mode)	360 ° endless
maximum drive velocity @ 300 K	10 °/s
input voltage range	0 - 45 V
<b>Fine Positioning Mode</b>	
fine angular positioning range @ 300 K	12 m °
fine positioning resolution	μ °
input DC voltage range	0 - 45 V
<b>Position Encoder</b>	
readout mechanism	optoelectronic sensor
encoded travel range	360 °
sensor resolution	0.01 m °
sensor power (when measuring)	300 mW
repeatability	1 m ° (bidirectional)
<b>Load (@ ambient conditions)</b>	
maximum load	500 g
maximum dynamic torque around axis	0.5 Ncm
<b>Error Motion</b>	
wobble	< 0.7 mrad
<b>General Specifications</b>	
environment	/RT
operating temperature range	17 - 25 °C
operating humidity range	40 - 60%

