

ECSxy5050/AI/RT

1011872

Technical Specifications

Size and Dimensions	
footprint; height	50 mm x 50 mm; 16.4 mm
maximum installation space	75 mm x 75 mm; 16.4 mm
weight (aluminium version)	109 g
Materials	
positioner body	aluminum
positioner body (/HV, /UHV)	stainless steel
actuator	PZT ceramics
connecting wires	copper, jacket: RT: Fluoropolymer
Coarse Positioning Mode	
travel range (step mode)	25 mm
maximum drive velocity @ 300 K	4.5 mm/s
input voltage range	0 - 45 V
Fine Positioning Mode	
fine linear positioning range @ 300 K	1.6 μ m
fine positioning resolution	sub-nm
input DC voltage range	0 - 45 V
Load (@ ambient conditions)	
maximum load	15 kg
maximum dynamic force along the axis	2 N
General Specifications	
environment	/RT
Suitable Operating Conditions	
temperature range	0..100 °C

