ANPz101eXT12/RT - linear z-nanopositioner



1005140

Technical Specifications

footprint; height 24 mm x 24 mm; 32 mm maximum installation space 24 mm x 24 mm; 44 mm weight 62 g height 32 mm Materials positioner body titanium actuator PZT ceramics connecting wires insulated twisted pair, copper Coarse Positioning Mode travel range (step mode) 12 mm maximum drive velocity @ 300 K ~ 3 mm/s input voltage range 0 - 60 V	24 mm x 24 mm; 44 mm 62 g 32 mm titanium
weight 62 g height 32 mm Materials positioner body titanium actuator PZT ceramics connecting wires insulated twisted pair, copper Coarse Positioning Mode travel range (step mode) 12 mm maximum drive velocity @ 300 K ~ 3 mm/s input voltage range 0 - 60 V	62 g 32 mm titanium
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positioner body actuator pZT ceramics connecting wires coarse Positioning Mode travel range (step mode) maximum drive velocity @ 300 K input voltage range titanium pZT ceramics insulated twisted pair, copper 12 mm ~ 3 mm/s o - 60 V	
actuator PZT ceramics connecting wires insulated twisted pair, copper Coarse Positioning Mode travel range (step mode) 12 mm maximum drive velocity @ 300 K ~ 3 mm/s input voltage range 0 - 60 V	
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Coarse Positioning Mode travel range (step mode) maximum drive velocity @ 300 K input voltage range 12 mm ~ 3 mm/s input voltage range 0 - 60 V	PZ I Ceramics
travel range (step mode) 12 mm maximum drive velocity @ 300 K ~3 mm/s input voltage range 0 - 60 V	insulated twisted pair, copper
maximum drive velocity @ 300 K ~ 3 mm/s input voltage range 0 - 60 V	
input voltage range 0 - 60 V	12 mm
F 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	~ 3 mm/s
	0 - 60 V
Fine Positioning Mode	
fine linear positioning range @ 300 K 5 μm	Κ 5 μm
fine positioning resolution sub-nm	sub-nm
input DC voltage range @ 300 K 0 - 100 V	0 - 100 V
Load (@ ambient conditions)	
maximum load 200 g	200 g
maximum dynamic force along the axis 5 N	axis 5 N
General Specifications	
environment /RT	/RT

