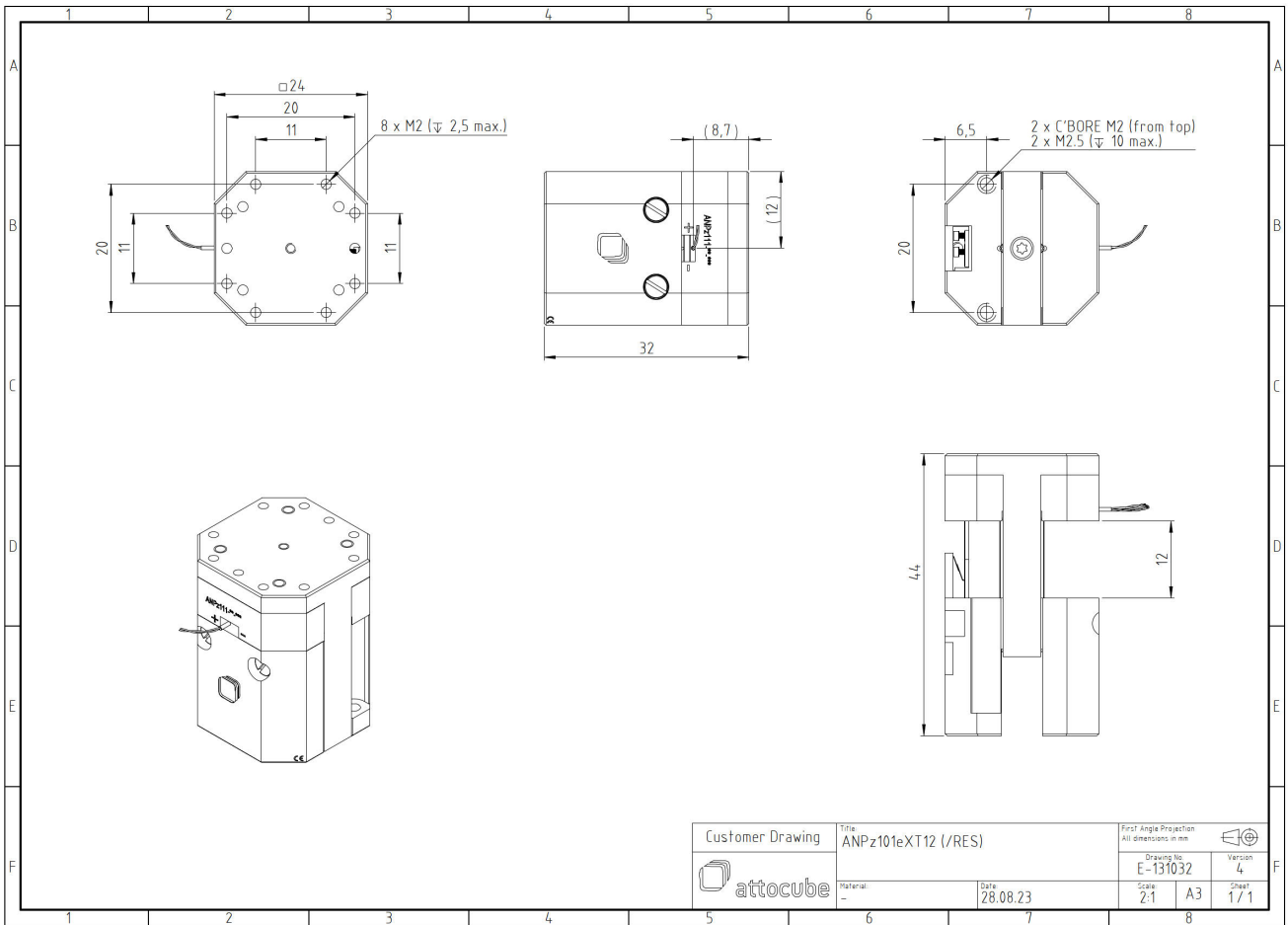


ANPz101eXT12/LT/HV - linear z-nanopositioner

1005144

Technical Specifications

Size and Dimensions	
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
typical actuator capacitance @ 300 K [μ F]	1.6
typical minimum step size @ 300 K	50 nm
Fine Positioning Mode	
fine linear positioning range @ 300 K	5 μ m
fine linear positioning range @ 4 K	0.8 μ m
fine positioning resolution	sub-nm
input DC voltage range @ 300 K	0 - 100 V
input DC voltage range @ 4 K	0 - 150 V
Load (@ ambient conditions)	
maximum load	200 g
maximum dynamic force along the axis	5 N
General Specifications	
environment	/LT/HV



Customer Drawing	Title: ANPz101eXT12 (/RES)		First Angle Projection All dimensions in mm	
	Material: ---		Drawing No. E-131032	Version 4
Date: 28.08.23		Scale: 2:1	A3	Sheet 1 / 1