Drive train specifications

Lead screw

LSA1 can be fitted with different spring loaded lead screws

Parameter	Pitch 0.635mm	Pitch 1.27mm	Pitch 6.35mm	Unit
Push pull force	>50	>40	TBD	N
Backlash	5	TBD	TBD	µm

Motor

Parameter	Value	Unit
Size	NEMA11	
Step angle	1.8 ±5%	deg
Phase count	2	
Rotor inertia	12	$g*cm^2$
Mass	180	g
Rated voltage	4.5	V
Rated current	0.75	A
Resistance per phase	6.7 ±10%	Ω
Inductance per phase	3 ±20%	mH
Holding torque	95	mN*m

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