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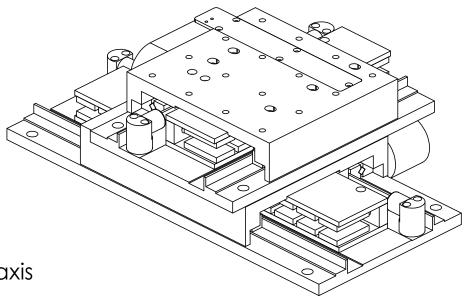
	CROSSED ROLLER POSITIO	ONING STAGE SPECIFIC	CATIONS (Top Axis)
	Motor P/N	BLDC	2-02
	Stroke	4 in	101.6 mm
A	Encoder Resolution	0.1 mi	cron
	Bearing Type	Crossed	Roller
	Moving Mass	4.44 lbs	2013 g
	Total Mass	20.92 lbs	9489 g
	Resistance @ 20C	8.2 ol	nms
	Inductance @ 20C	6.0 r	nH
	Electrical Time Constant	0.7 m	isec
	Motor Constant	2.12 LBS/SQRT(Watt)	9.43 N/SQRT(Watt)
	Force Constant	6.1 LBS/Amp	27.3 N/Amp
B	Back EMF	0.80 V/ips	31.5 V/m/sec
	Force @ 100% Duty	20.6 lbs	91.6 N
	Power @ 100% Duty	95 wa	atts
	Current @ 100% Duty	1.6 ar	nps
	Force @ 10% Duty	61.8 lbs	274.8 N
	Power @ 10% Duty	846 w	atts
	Current @ 10% Duty	6.4 ar	nps
	Stage Length	11 in	279.4 mm
C	Stage Width	8.88 in	225.55 mm
	Stage Height	2.3 in	58.42 mm

4			5
CROSSED ROLLER POSITION	IING STA	GE SPECIFICAT	IONS (Bottom Axis)
Motor P/N		BLDC	2-02
Stroke		6 in	152.4 mm
Encoder Resolution		0.1 mi	cron
Bearing Type		Crossed	Roller
Moving Mass		5.42 lbs	2458 g
Total Mass		31.42 lbs	14251 g
Resistance @ 20C		8.2 ol	าms
Inductance @ 20C		6.0 r	nH
Electrical Time Constant		0.7 m	isec
Motor Constant	2.12 LB	S/SQRT(Watt)	9.43 N/SQRT(Watt)
Force Constant	6.1	LBS/Amp	27.3 N/Amp
Back EMF	0	.80 V/ips	31.5 V/m/sec
Force @ 100% Duty		20.6 lbs	91.6 N
Power @ 100% Duty		95 wa	atts
Current @ 100% Duty		1.6 ar	nps
Force @ 10% Duty		61.8 lbs	274.8 N
Power @ 10% Duty	846 watts		
Current @ 10% Duty		6.4 ar	nps
Stage Length		17 in	431.8 mm
Stage Width		9.66 in	245.36 mm
Stage Height		2.3 in	58.42 mm

А

В

D



NOTES: 1. Electrical specs & masses are per individual axis 2. Total stage weight = 55 lbs [25 kg]

D

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MATERIAL		
FINISH		

TITLE Crossed Roller Positioning Stage Model #: XRS-06-04-XY-001 DATE 7-8-09 SHEET 2 of 2