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Motor P/N	ITIONING STAGE SPECIFICATIONS BLDM-D12	
Stroke	5.75 in	146 mm
Encoder Resolution	1 micron	
Bearing Type	Recirculating Ball	
Moving Mass	9.0 lbs	4.0 kg
Total Mass	33 lbs	15.0 kg
Resistance @ 20C	13.6 ohms	
Inductance @ 20C	18 mH	
Electrical Time Constant	1.3 msec	
Motor Constant	4.51 LBS/SQRT(Watt)	20.1 N/SQRT(Watt)
Force Constant	16.7 LBS/Amp	74.2 N/Amp
Back EMF	1.88 V/ips	74.16 V/m/sec
Force @ 100% Duty	49.6 lbs	220 N
Power @ 100% Duty	155.3 watts	
Current @ 100% Duty	3.0 amps	
Force @ 10% Duty	148 lbs	660 N
Power @ 10% Duty	1397.7 watts	
Current @ 10% Duty	8.9 amps	
Stage Length	25.16 in	369.1 mm
Stage Width	6.39	162.3 mm
Stage Height	5.15	130.7 mm

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UNLESS SPECIFIED OTHERWISE: All dimensions are in inches Standard Tolerances are as follows .XXX ±0.005 ANGLES ±.1.° .XX ±0.010 FILLETS .010 .X ±0.20 CORNERS .010 Remove All Burrs and Sharp Edges TITLE

Single Rail Positioning Stage Model #: SRS-006-06-050-01-EX

5

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<sup>WG #</sup> 4	40-0474	
EV		
9-9-2020	SHEET 2 of 2	