



- STANDARD FEATURES**
- MOTOR: IRONLESS CORE LINEAR MOTOR
 - FORCE CONSTANT: 8.9 N/AMP
 - PEAK FORCE: 84 N
 - TRAVEL: 100mm
 - SPEED: > 1 m/sec
 - ENCODER RESOLUTION: ANALOG 1 VOLT, PEAK TO PEAK
 - 5nm RESOLUTION WITH 4096x INTERPOLATION
 - OPTIONAL: 5um, 1um, 0.5um, 0.1um, 0.05um, 0.02um**, AND 0.01um**
 - (** REDUCED SPEEDS APPLY)
 - SYSTEM REPEATABILITY: +/- 2 ENCODER COUNTS (CONTROLLER DEPENDENT)
 - HOME SENSOR: STANDARD
 - BEARINGS: PRECISION ANTI-SKID CROSSED ROLLERS ~ 3.0um PARALLELISM
 - BEARING DYNAMIC LOAD RATING: 5kN
 - ENCLOSURES: ALUMINUM 6061-T6
 - STAINLESS STEEL OPTIONAL
 - ENVIRONMENT: STANDARD, CLEAN ROOM, VACUUM 10e-6 TORR (CONSULT FACTORY)
 - TEMPERATURE: 0 to 100 DEG C
 - HUMIDITY: 10% to 80% NON-CONDENSING
 - ASSEMBLY MASS: 2.8 kg
 - MOVING MASS: 1.7 kg
- ACCESSORIES**
- MOTOR AMPLIFIER
 - DIGITAL ENCODER INTERPOLATOR
- OPTIONAL EQUIPMENT**
- MOTION CONTROLLERS
- CUSTOM DESIGNS FOR OEM INTEGRATION

ALIO INDUSTRIES PROPRIETARY INFORMATION

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DRAWN	NBROWN	2/15/2006			
CHECKED					
Tolerances:			TITLE		
Surface Roughness:			<h1>AI-LM-10000</h1>		
$x.x \pm .04$ in $x.xx \pm .02$ in $x.xxx \pm .005$ in MATERIAL					
FINISH			SIZE	DWG NO	REV
SEE NOTES			B	0010-00720	001
SCALE			ALIO STD TEMPLATE - REV 005	SHEET	1 OF 1