



STANDARD FEATURES

MOTORS: DUAL HR-4
STD FORCE 32 N
(CONSULT FACTORY FOR HIGHER FORCE)

TRAVEL: 50mm

SPEED: 250mm/sec

ENCODER RESOLUTION: ANALOG 1 VOLT, PEAK TO PEAK
OPTIONAL: 5um, 1um, 0.5um, 0.1um, 0.05um, 0.02um, 0.01um or 5nm USING 4096 INTERPOLATION
(CONTROLLER DEPENDENT)

SYSTEM REPEATABILITY: +/- 1 ENCODER COUNT
(CONTROLLER DEPENDENT)

HOME SENSOR: STANDARD

BEARINGS: PRECISION CROSS ROLLER
< 1.5um PARALLELISM

BEARING DYNAMIC LOAD RATING: 2.6kN

SYSTEM LOAD CAPACITY: APPLICATION DEPENDENT
PLEASE CONSULT THE FACTORY

ENCLOSURES: ALUMINUM 6061-T6
STAINLESS STEEL OPTIONAL

ENVIRONMENT: STANDARD, CLEAN ROOM, VACUUM
10e-7 TORR, AND VACUUM 10e-10 TORR
(CONSULT FACTORY)

TEMPERATURE: 0 to 100 DEG C

HUMIDITY: 10% to 80% NON-CONDENSING

ASSEMBLY MASS: 0.74 kg

ACCESSORIES

MOTOR AMPLIFIER

OPTIONAL EQUIPMENT

MOTION CONTROLLERS

CUSTOM DESIGNS FOR OEM INTEGRATION

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DRAWN		ALIO INDUSTRIES	
NBrown			
CHECKED		TITLE	
		AI-D4-5000E	
Tolerances:		SIZE	DWG NO
x ± 1 mm [x.x ± .04 in]		B	0010-00006
x.x ± 0.5 mm [x.xx ± .02 in]			REV
x.xx ± 0.12 [x.xxx ± .005 in]			005
MATERIAL		SCALE	SHEET 1 OF 1

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