

LCR16 Series

Linear Rotary Actuator

Direct drive brushless servo motor

Low shaft run-out, 30 μ m (Lower run-out optional)

Vacuum through shaft prevents dust accumulation

MTBF 100 million life cycle

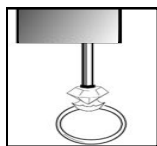
LCR16 Series

| | |
|-------------------------------|----------------------------------|
| Dimensions [mm] | 60 x 170 x 16 |
| Stroke [mm] | 15 (+1/-0) |
| Peak Force [N] | 8 @ 1.5 Amp (24VDC) |
| Encoder Resolution [μ m] | 5 standard, 1.0 and 0.1 optional |
| Rotary Encoder Resolution | 20,000 CPR (0.018' Step) |

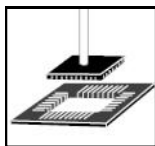
Combined linear and rotary motions in a single unit
Fully programmable in force/torque, position and velocity
SMAC's Patented 'Soft-Land' Technology
Self-lubricated linear guide



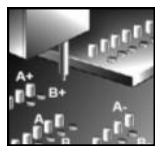
Applications



Pick, Orient & Press



IC Handling



Gauging & Sorting Parts



High Resolution Rotary



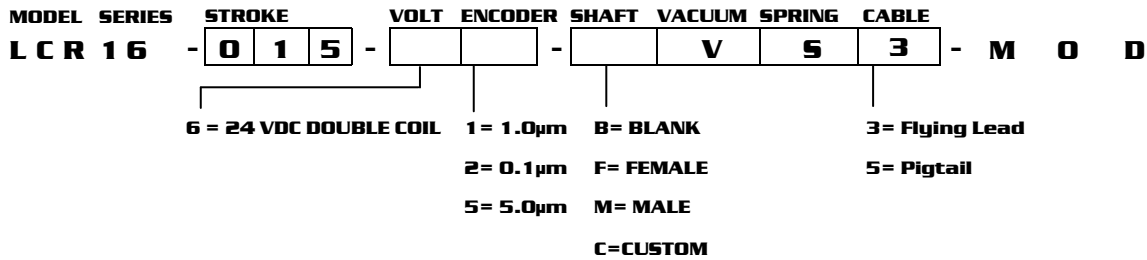
Chip Bonding

Sold & Serviced By:
ELECTROMATE
Toll-Free Phone (877) 555-5555
Free Fax (619) 555-0999
www.electromate.com
sales@electromate.com

SMAC

Moving Coil Actuators

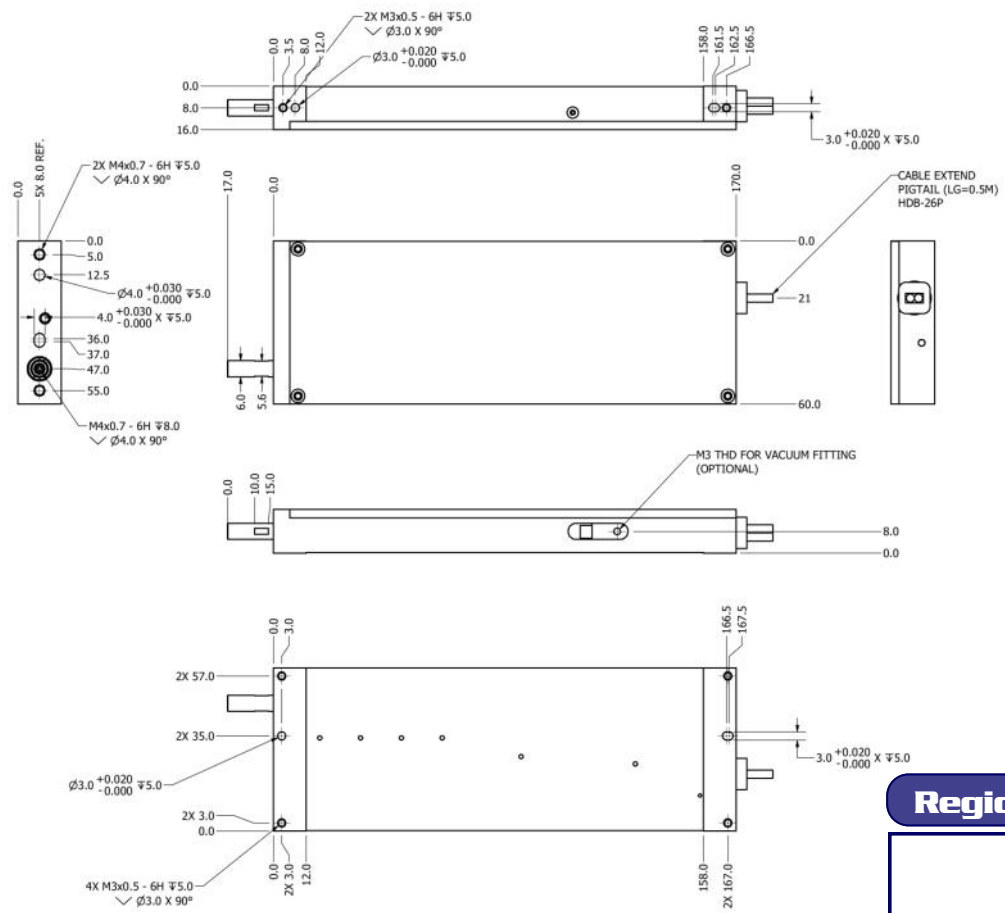
PART NUMBERING



SPECIFICATION

| | | | |
|----------------------------|-----------------------------------|------------------------------|--------------------------------------|
| Dimension [mm]: | 60 x 170 x 16 | Linear stroke [mm]: | 15 (+1/-0mm) |
| Encoder resolution [µm]: | 5.0 standard (1.0 and 0.1 option) | Encoder accuracy: | ±4 encoder counts |
| Linear peak force [N]: | 8 @ 1.5A (24VDC) | Linear force constant [N/A]: | 5.2 |
| Rotary angle: | 360° Full | Vacuum port: | M3 |
| Peak torque [Nm]: | 0.096 @ 6.5A (24VDC) | Continuous torque [Nm]: | 0.021 @ 1A |
| Rotary encoder resolution: | 20,000 count/rev (0.018° Step) | Maximum RPM: | 6000 (with zero payload & no vacuum) |
| Shaft run-out [µm]: | 30 (20 optional) | Moving mass [kg]: | 0.128 |
| Total mass [kg]: | 0.697 | Operating temperature[°C] : | 0 to 40 |

DIMENSIONS (LCA16-015-6 model)



Regional Distributor



Sold & Serviced By:

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