

| ROTARY VOICE COIL ACTUATORS (VCA)

Introduction

Rotary voice coil actuators (VCA) are ideal for high acceleration applications that require angular movement. There are two types of designs available: Cylindrical and arc-segment. Cylindrical models are typically used in long stroke applications, whereas arc-segmented designs are better suited for short stroke and precise positioning. Rotary actuators feature all of the inherent advantages of VCA technology, such as direct-drive, zero backlash and cog free operation for accurate motion, as well as high acceleration and the use of single phase.



Features

- Wide range of torque and excursion angles
- Various mechanical mounting options available
- Arc-segment and cylindrical designs available



ROTARY VOICE COIL ACTUATORS (VCA) CONFIGURATIONS

Part Number	Peak Torque (N-m / oz-in)	Continuous Stall Force (N/lb)	Total Excursion Angle (Degrees)	Actuator Constant (N/√watt lb/√watt)	Width (mm/in)	Height (mm/in)
RA27-10-000A	.106 / 15	.029 / 4.09	100	.017 / 2.39	68.6 / 2.70	24 / 0.94
RA27-10-001A	.106 / 15	.029 / 4.09	100	.017 / 2.39	68.6 / 2.70	24 / 0.94
RA29-11-002A	.226 / 32	.093 / 13.2	32	.031 / 4.44	27.4 / 1.08	45.2 / 1.78
RA60-10-001A	.847 / 120	.396 / 56.1	30	.097 / 13.8	30.5 / 1.20	38.1 / 1.50
RA68-12-001A	1.20 / 170	.649 / 92	20	.158 / 22.4	30.2 / 1.19	45.2 / 1.78
RA54-18-000A	1.85 / 262	.798 / 113	7.5	.209 / 29.7	45.7 / 1.8	60.9 / 2.4
RA68-19-000A	7.06 / 1000	1.76 / 250	14	.376 / 53.3	46.5 / 1.83	55.9 / 2.20

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