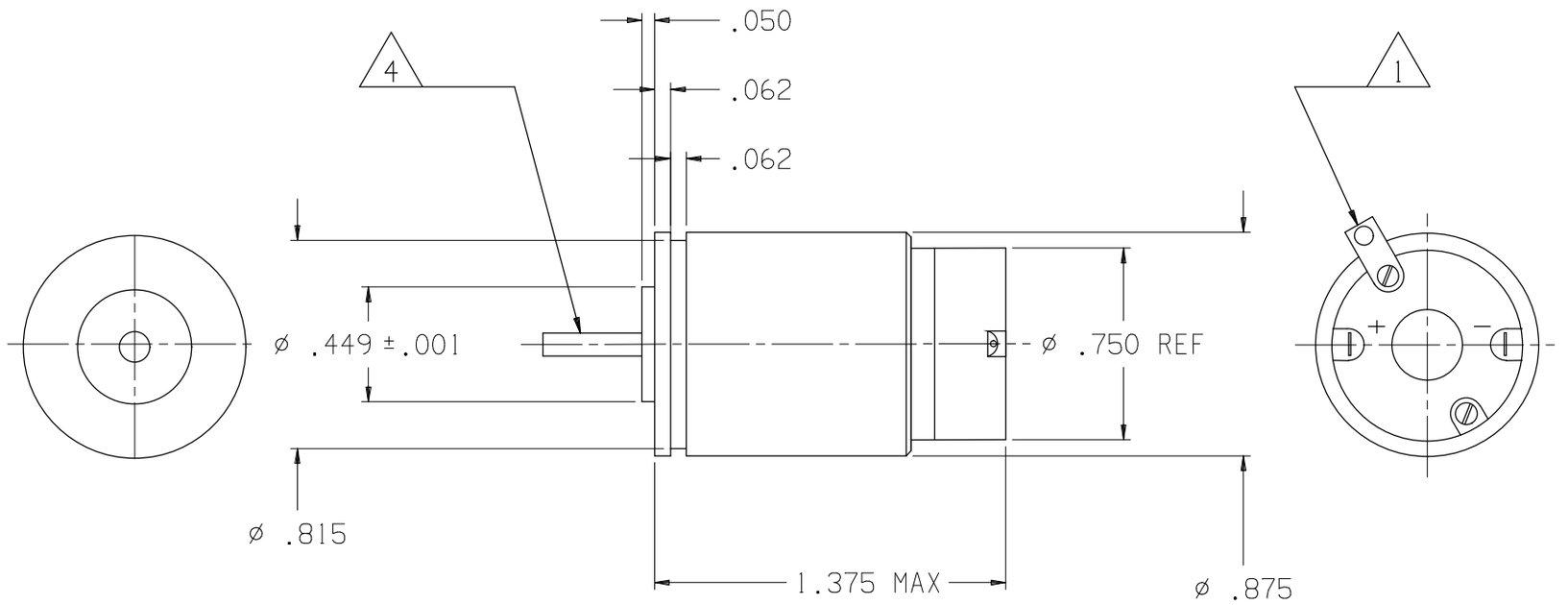
NORMAL CHARACTERISTICS AT 25° C	
BREAKAWAY TORQUE (IN-OZ)	0.13 MAX
START VOLTAGE (VDC)	0.8 MAX
INPUT VOLTAGE (VDC)	10.0 NOM
AT NO LOAD	
SPEED (RPM)	6285 NOM
BIDIRECTIONAL ERROR (PERCENT)	10 MAX
CURRENT (MA)	90 MAX
RESISTANCE (OHMS)	10 NOM
TORQUE CONSTANT (IN-OZ/AMP)	1.85 NOM
INDUCTANCE (MH)	5.2 REF
BACK EMF (V/RAD/SEC)	.0131 REF
BACK EMF (PEAK TO PEAK RIPPLE)	18% MAX
ROTATION	CCW
OPERATING TEMP. RANGE	-55 TO +100°C
ROTOR INERTIA (GM-CM ^{2})	2.7 REF
HIPOT-ARMATURE TO GROUND	500 VAC - 60 HZ
SHAFT RADIAL PLAY SEE NOTE 2	0.001 MAX
SHAFT END PLAY SEE NOTE 3	0.002-0.005 MAX
MATERIALS:	
HOUSING	S.S.. PASSIVATED
WEIGHT (OZ)	2.0 MAX

NOTES: UNLESS OTHERWISE SPECIFIED

1. SOLDER EYELET TERMINAL ACCEPT A #26 (AWG) WIRE.
2. RADIAL PLAY IS MEASURED NEXT TO BERAING UNDER AN 8 oz. REVERSING GAGE LOAD.
3. END PLAY IS MEASURED WITH A 8 ±.5 oz. REVERSING LOAD.
4. FOR SHAFT DATA REFER TO THE APPLICABLE SHAFT RIDER.

REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED
	A	NEW DRAWING/ ECN MU6506		
	B	REV/ECN12495 LLG	5/16/96	



NEXT ASSY	USED ON
APPLICATION	

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCES ARE:
DECIMALS .XX ±.010 .XXX ±.005 .XXXX ±.0005
ANGLES ±0°30'
FRACTIONS ±1/64
DO NOT SCALE DRAWING

MATERIAL

FINISH

CONTRACT NO

APPROVALS		DATE
DRAWN	L.GUTHRIE	3/15/96
CHECKED	D.L.SAMS	3/19/96
ENGR	G.MORGAN	3/15/96
RELEASED	D.L.SAMS	3/19/96
MFG ENGR	B.WRIGHT	3/18/96
Q A	B.LITTLE	3/18/96

MOOG
COMPONENTS GROUP

TITLE
D.C. MOTOR OUTLINE DRAWING

SIZE	CAGE CODE	DWG NO
B	4H618	42300A-▱▱-48/D342

SCALE | SHEET 1 OF 1