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REV.	BY	DATE	P/N
D	AT	1-6-04	SK22B
			WAS - .001

ELECTRICAL

INPUT VOLTAGE ----- 5 V.D.C.
 EFFECTIVE ELECTRICAL ANGLE ----- $\pm 50^\circ$
 EFFECTIVE OUTPUT ----- ABT. 10% ~ 90% Vin
 INDEPENDENT LINEARITY ----- $\pm 0.5\%$
 OPERATING TEMPERATURE ----- $-40^\circ\text{C} + 105^\circ\text{C}$
 RESOLUTION ----- INFINITE
 LOAD RESISTANCE ----- OVER 10K OHM
 DIELECTRIC STRENGTH ----- 1 MINUTE @ 500V.A.C.
 INSULATION RESISTANCE ----- OVER 100MEG @ 500VDC

MECHANICAL

MECHANICAL ANGLE ----- CONTINUOUS
 STARTING TORQUE ----- BELOW 1mN*m (10gf*cm)
 LIFE EXPECTANCY ----- ABT 100,000,000
 (SHAFT REVOLUTIONS) ----- (BEARING LIFE)
 WEIGHT ----- ABT. 15g

ENVIRONMENTAL

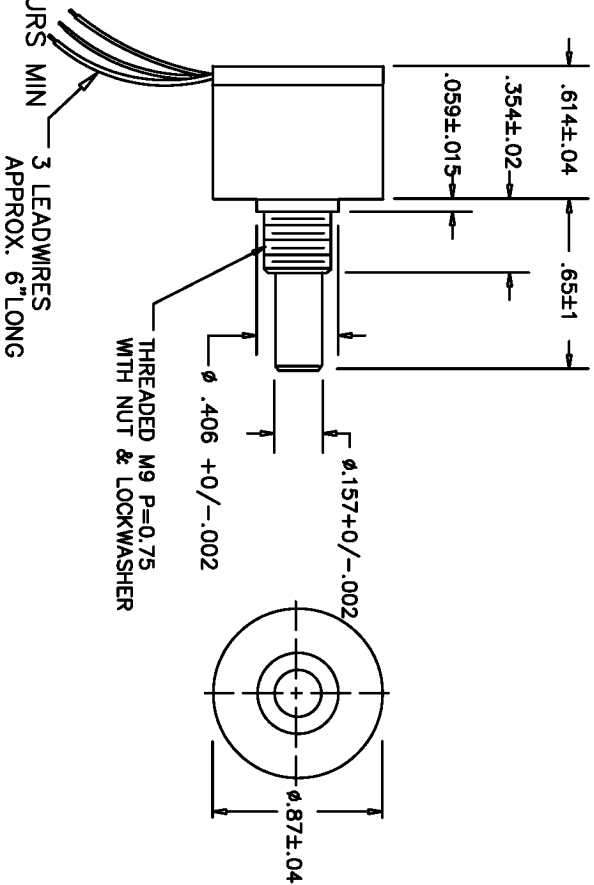
THERMAL SHOCK ----- $-50^\circ\text{C} \sim +105^\circ\text{C}$ 5 CYCLES
 EXPOSURE AT LOW TEMPERATURE -- 24 HOURS AT -50°C
 MOISTURE RESISTANCE ----- 40°C 95% RH 120 HOURS
 VIBRATION ----- $10 \sim 2,000\text{Hz}$ 20G 196m/S 12 HOURS
 SHOCK ----- 980m/S (WITHIN 18 TIMES)

MATERIALS

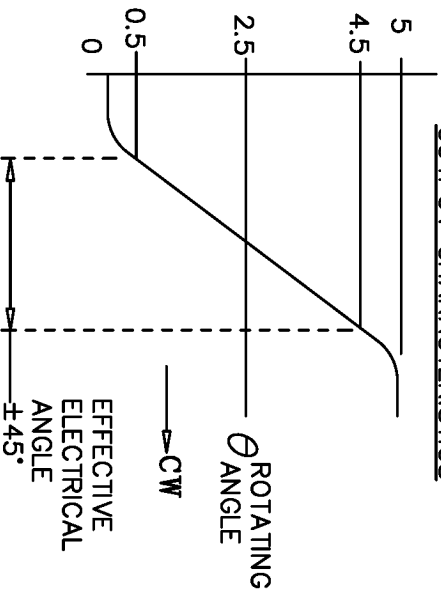
HOUSING ----- ALUMINUM ANODIZED
 REAR LID ----- HIGH TEMP PLASTIC
 SHAFT ----- STAINLESS STEEL
 WIRES ----- 26 AWG

FEATURES

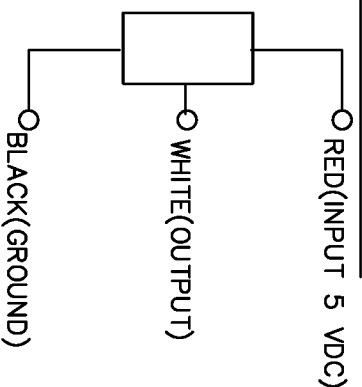
NEW IMPROVED 'STATE OF THE ART' DESIGN
 OUTPUTS UP TO 90% OF VOLTAGE 'IN'.
 UP TO 3 TIMES BETTER LINEARITY THAN
 OTHER MODELS.
 SEALED VERSION AND SERVO MOUNT TYPES
 ARE AVAILABLE.



OUTPUT CHARACTERISTICS



TERMINAL CONNECTION



TOLERANCES

XX = +/- .010" FRACT. = +/- 1/64"
 XXX = +/- .005" ANGLES = +/- 1/2"
 ALL SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

SCALE	DATE: 1-14-98
NONE	BY
	APPRV'D
	BT
CODE IDENT: 19477	



ETI SYSTEMS
 CARLSBAD
 CALIFORNIA

TITLE
 CONTACTLESS
 POTENTIOMETER

PART NO.

SK22B