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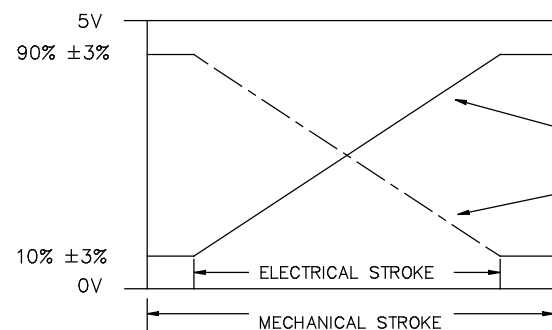
REV.	BY	DATE	APPRVL.	P/N
				LHK15-30

GENERAL SPECIFICATION:

CURRENT CONSUMPTION SINGLE OUTPUT ----- WITHIN 15mA
 CURRENT CONSUMPTION DUAL OUTPUT----- WITHIN 30mA
 INDEPENDENT LINEARITY TOL. ----- $\pm 0.5\%FS$
 MECHANICAL STROKE (MS) ----- APPROX. 34mm
 ELECTRICAL STROKE ----- 30mm $\pm 0.5mm$
 APPLIED VOLTAGE ----- 5V $\pm 10\%D.C$
 LOAD RESISTANCE ----- 10KOHMS MIN
 EFFECTIVE OUTPUT ----- 10% $\pm 3\%$ ~ 90% $\pm 3\%$ VIN
 OUTPUT TEMPERATURE CHARACT. ----- WITHIN $\pm 0.8\%VOUT.FS$
 OPERATING TEMPERATURE RANGE ----- $-40^{\circ}C \sim +105^{\circ}C$
 STORAGE TEMPERATURE RANGE ----- $-40^{\circ}C \sim +105^{\circ}C$
 STOPPER STRENGTH ----- APPROX. 20N (2kgF)
 FRICTION ----- WITHIN 0.6N(60gF)
 MASS ----- APPROX 44g

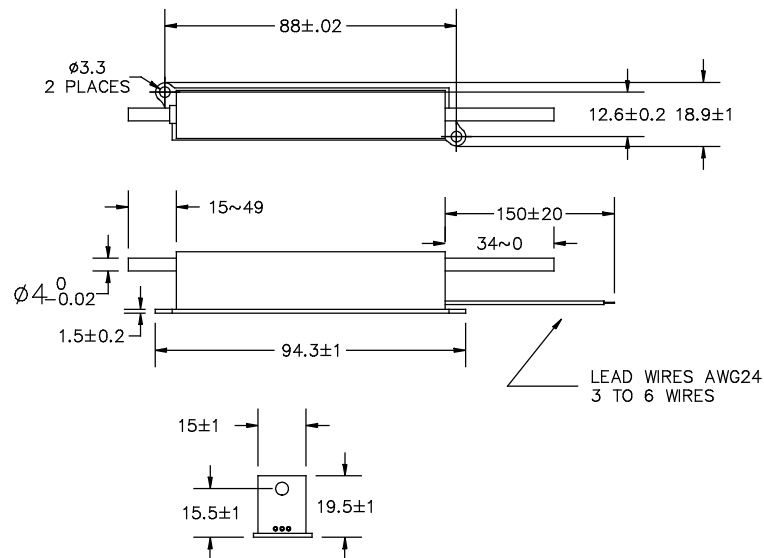
ENVIRONMENTAL SPECIFICATION:

THERMAL SHOCK ----- 5 CYCLES $-40^{\circ}C \sim +105^{\circ}C$
 EXPOSURE TO LOW TEMPERATURE ----- 24 HOURS AT $-40^{\circ}C$
 EXPOSURE AT HIGH TEMPERATURES ----- 1,000 HOURS AT $+105^{\circ}C$
 VIBRATION ----- 10 ~ 2,000Hz 196m/s.s 12 HOURS
 SHOCK ----- 980m/s.s 6ms (18 TIMES)
 LIFE EXPECTANCY ----- APPROX. 50,000,000 RECIPROCATING MOTIONS
 EMS TOLERANCE ----- 100V/m (80MHz ~ 1GHz 1KHz SIN WAVE
 80% AMPLITUDE MODULATION)
 ESD TOLERANCE ----- $\pm 8KV$ CONTACT / $\pm 15KV$ AERIAL DISCHARGE

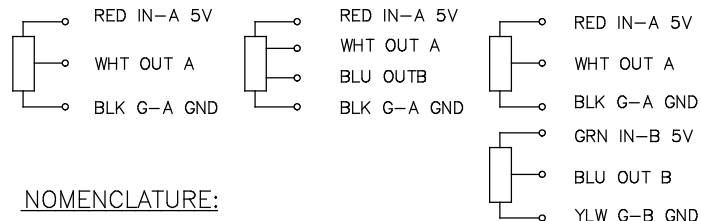


OUTPUT OPTIONS:

- 1 - 10% ~ 90%
- 2 - 5% ~ 95%
- 3 - 0 ~ 100%



SINGLE OUTPUT DUAL OUTPUT DUAL INDEP. OUTPUT



NOMENCLATURE:

LHK15-30-S -1
 OUTPUT OPTION (1,2 OR 3)
 OUTPUT TYPE (S, X, P, IX OR IP)
 SERIES

TOLERANCES
 XX = $\pm .010"$ FRACT. = $\pm 1/64"$
 XXX = $\pm .005"$ ANGLES = $\pm 1/2"$
 ALL SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

SCALE NONE	DATE: 9-11-13
	BY AT
	APPRV'D
CODE IDENT: 19477	



TITLE
 CONTACTLESS
 POTENTIOMETER

PART NO.
 LHK15-30

Mouser Electronics

Authorized Distributor

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[ETI Systems:](#)

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