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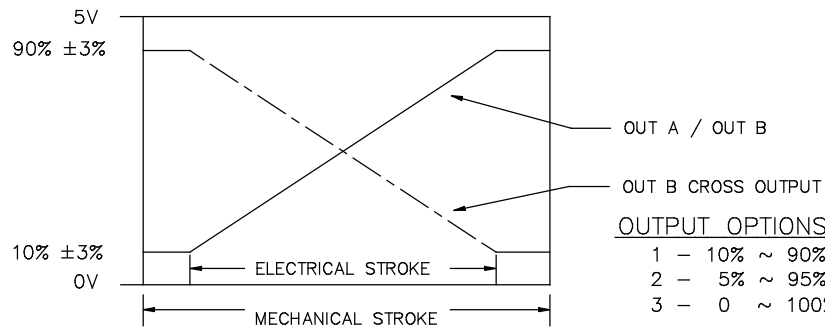
REV.	BY	DATE	APPRVL.	P/N	LHK15-30
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GENERAL SPECIFICATION:

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

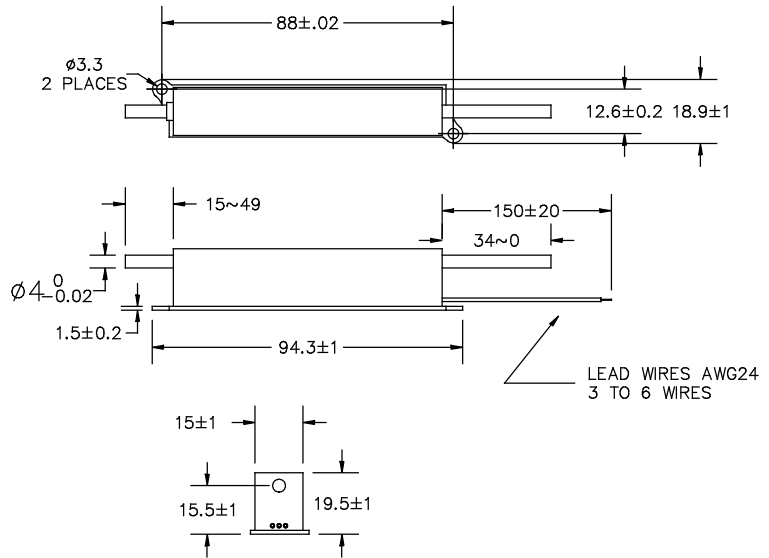
ENVIRONMENTAL SPECIFICATION:

THERMAL SHOCK ----- 5 CYCLES -40°C ~ +105°C
 EXPOSURE TO LOW TEMPERATURE ----- 24 HOURS AT -40°C
 EXPOSURE AT HIGH TEMPERATURES ----- 1,000 HOURS AT +105°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 ----- ±8KV CONTACT / ±15KV AERIAL DISCHARGE

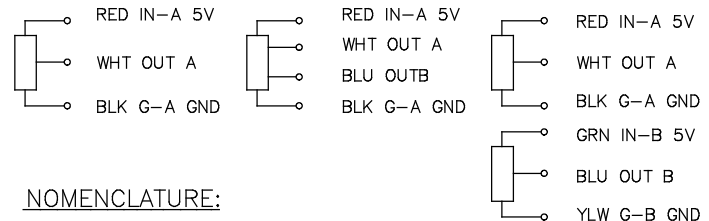


OUTPUT OPTIONS:

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



SINGLE OUTPUT DUAL OUTPUT DUAL INDEP. OUTPUT



NOMENCLATURE:

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

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

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



TITLE
 CONTACTLESS
 POTENTIOMETER

PART NO.
 LHK15-30

Mouser Electronics

Authorized Distributor

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