

THIS DOCUMENT CONTAINS PROPRIETARY DATA OF POLARIS INDUSTRIAL ENTERPRISES, INC. NO DISCLOSURE, REPRODUCTION, OR USE OF ANY PART THERE OF MAY BE MADE EXCEPT BY WRITTEN PERMISSION.

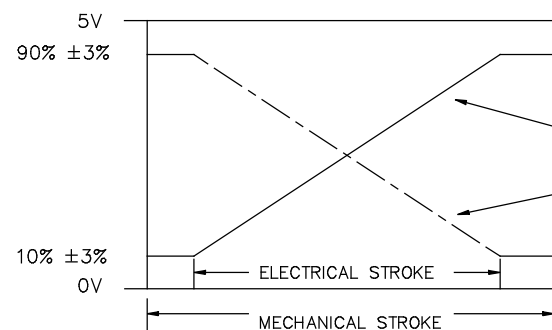
REV.	BY	DATE	APPRVL.	P/N
				LHK15-30

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 ± 0.5 mm
 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

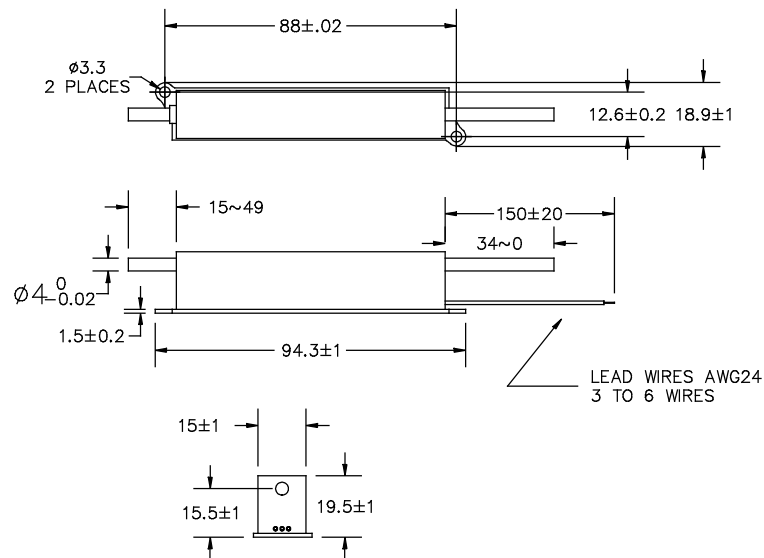
ENVIRONMENTAL SPECIFICATION:

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

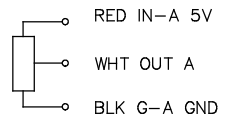


OUTPUT OPTIONS:

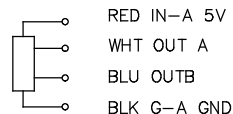
- 1 - 10% ~ 90%
- 2 - 5% ~ 95%
- 3 - 0 ~ 100%



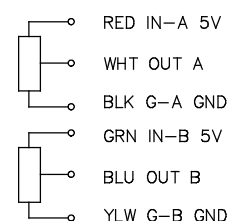
SINGLE OUTPUT



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

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

ETI Systems:

[LHK15-30-S](#) [LHK15-30-X](#) [LHK15-30-P](#)