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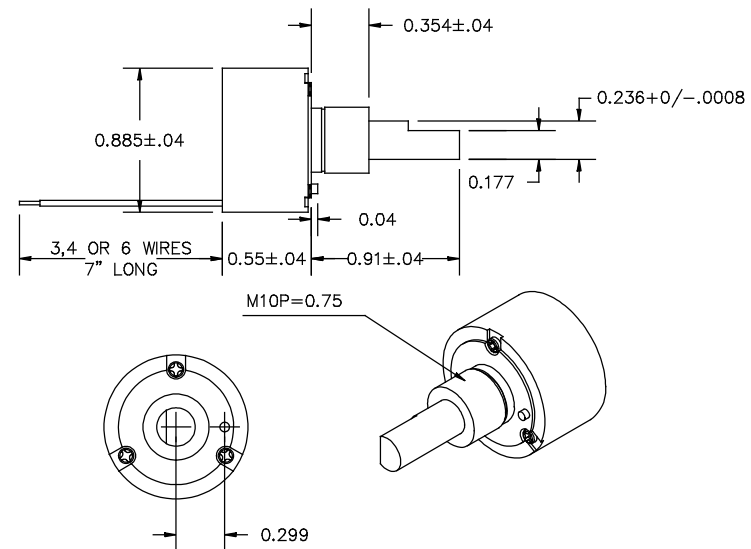
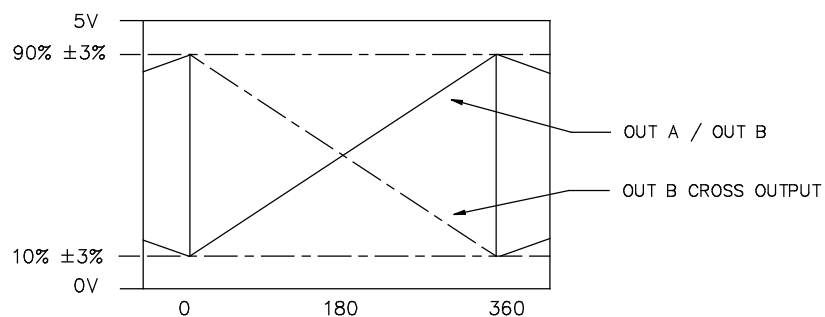
REV.	BY	DATE	APPRVL.	P/N	HSM22

GENERAL SPECIFICATION:

CURRENT CONSUMPTION SINGLE OUTPUT ----- BELOW 16mA
 CURRENT CONSUMPTION DUAL OUTPUT----- BELOW 32mA
 INDEPENDENT LINEARITY TOL. ----- $\pm 0.5\%FS$ ($FS=360^\circ$)
 MECHANICAL ROTATING ANGLE ----- 360° (ENDLESS)
 EFFECTIVE ELECTRICAL ANGLE ----- 360° (ENDLESS)
 APPLIED VOLTAGE ----- $5V \pm 10\%DC$
 LOAD RESISTANCE ----- 10KOHMS MIN
 EFFECTIVE OUTPUT ----- $10\% \pm 3\% \sim 90\% \pm 3\% VIN$
 OUTPUT TEMPERATURE CHARACT. ----- WITHIN $\pm 0.3\%VOUT/FS$
 OPERATING TEMPERATURE RANGE ----- $-40^\circ C \sim +120^\circ C$
 STORAGE TEMPERATURE RANGE ----- $-40^\circ C \sim +120^\circ C$
 MASS ----- APPROX 20g

ENVIRONMENTAL SPECIFICATION:

ROTATING TORQUE ----- BELOW 5mN.m
 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 ----- $10 \sim 2,000Hz$ $196m/s.s$ 12 HOURS
 SHOCK ----- $980m/s.s$ 6ms (18 TIMES)
 ROTATIONAL LIFE EXPECTANCY ----- APPROX. 50,000,000 REVOLUTIONS
 EMS TOLERANCE ----- $100V/m$ (80MHz $\sim$ 1GHz 1KHz SIN WAVE
 80% AMPLITUDE MODULATION)
 ESD TOLERANCE ----- $\pm 8KV$ CONTACT / $\pm 15KV$ AERIAL DISCHARGE



SINGLE OUTPUT DUAL OUTPUT DUAL INDEP. OUTPUT

RED IN-A 5V
 WHT OUT A
 BLK G-A GND

RED IN-A 5V
 WHT OUT A
 BLU OUTB
 BLK G-A GND

RED IN-A 5V
 WHT OUT A
 BLK G-A GND
 GRN IN-B 5V
 BLU OUT B
 YLW G-B GND

NOMENCLATURE:

HSM22 -S

OUTPUT TYPE (S, X, P, IX OR IP)
 SERIES

TOLERANCES
 XX = $\pm 0.010"$ FRACT. = $\pm 1/64"$
 XXX = $\pm 0.005"$ ANGLES = $\pm 1/2^\circ$
 ALL SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

SCALE NONE	DATE: 5-3-13
	BY AT
	APPRV'D
CODE IDENT: 19477	



TITLE
 CONTACTLESS
 POTENTIOMETER

PART NO.
 HSM22

Mouser Electronics

Authorized Distributor

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