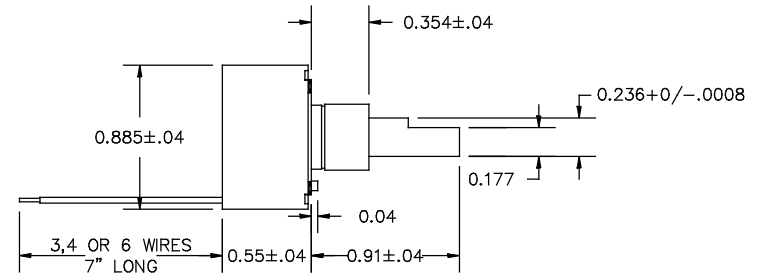


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REV.	BY	DATE	APPRVL.	P/N	HSM22
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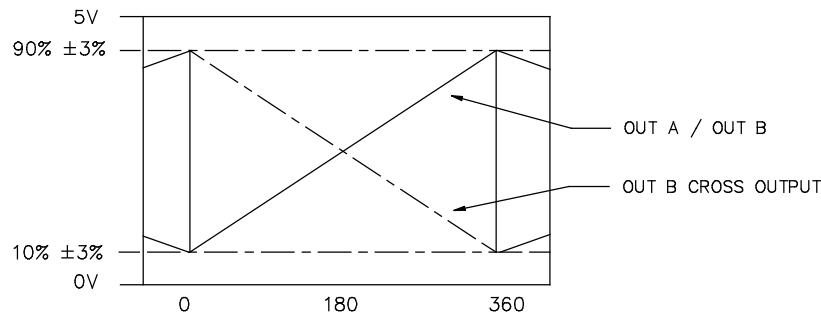
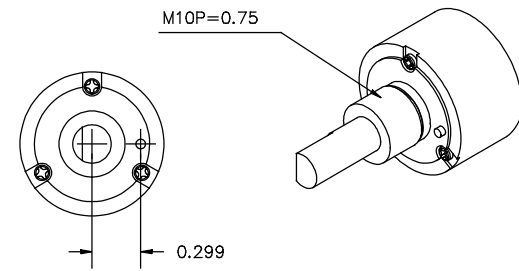
GENERAL SPECIFICATION:

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

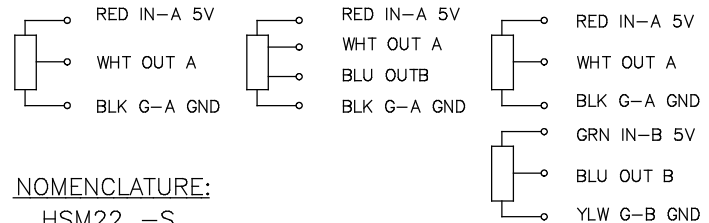


ENVIRONMENTAL SPECIFICATION:

ROTATING TORQUE ----- BELOW 5mN.m  
 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)  
 ROTATIONAL LIFE EXPECTANCY ----- APPROX. 50,000,000 REVOLUTIONS  
 EMS TOLERANCE ----- 100V/m (80MHz ~ 1GHz 1KHz SIN WAVE 80% AMPLITUDE MODULATION)  
 ESD TOLERANCE -----  $\pm 8KV$  CONTACT /  $\pm 15KV$  AERIAL DISCHARGE



SINGLE OUTPUT      DUAL OUTPUT      DUAL INDEP. OUTPUT



NOMENCLATURE:

HSM22 -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: 5-3-13
NONE	BY AT
	APPRV'D
CODE IDENT:	19477



TITLE  
 CONTACTLESS  
 POTENTIOMETER

PART NO.  
 HSM22

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