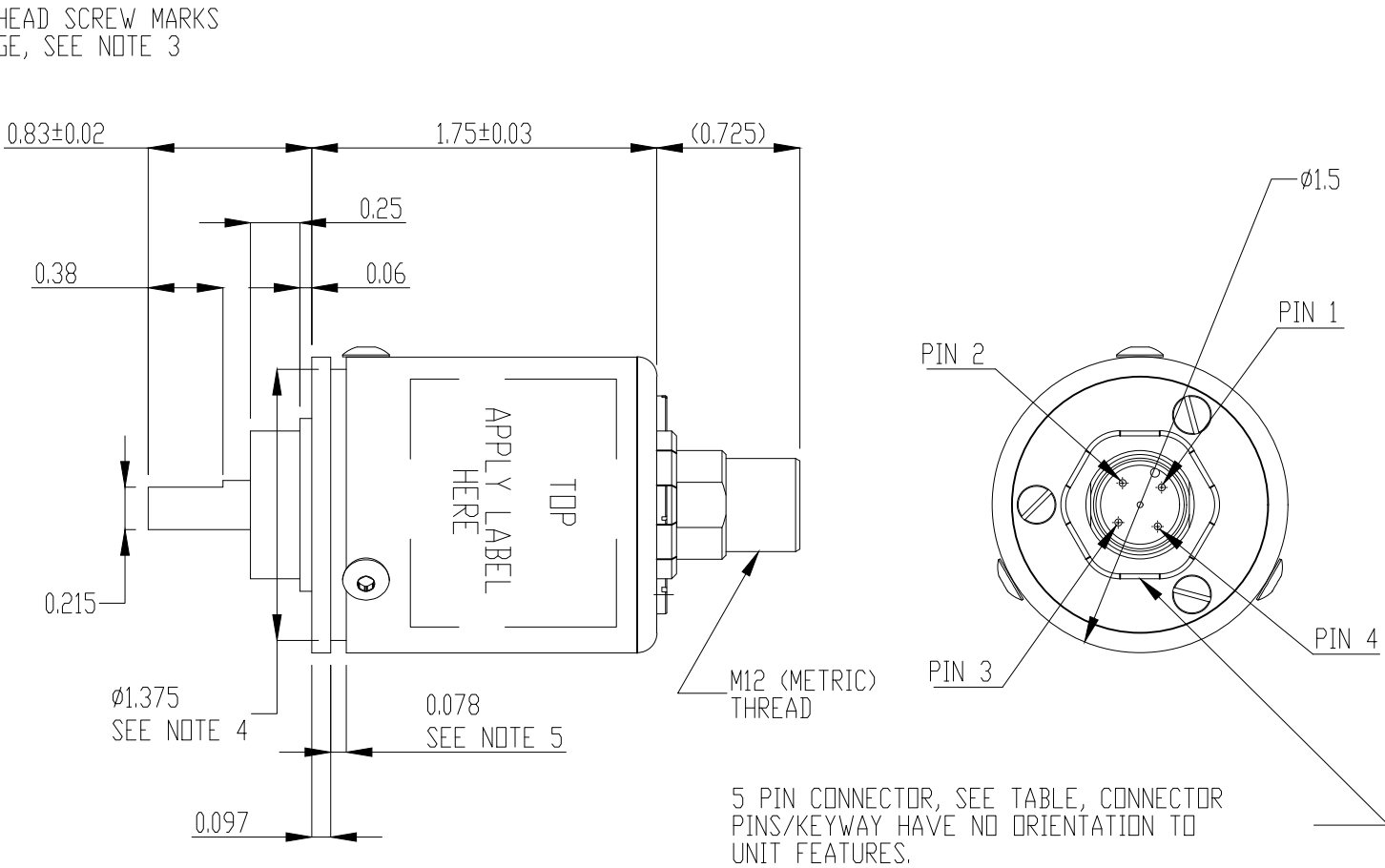
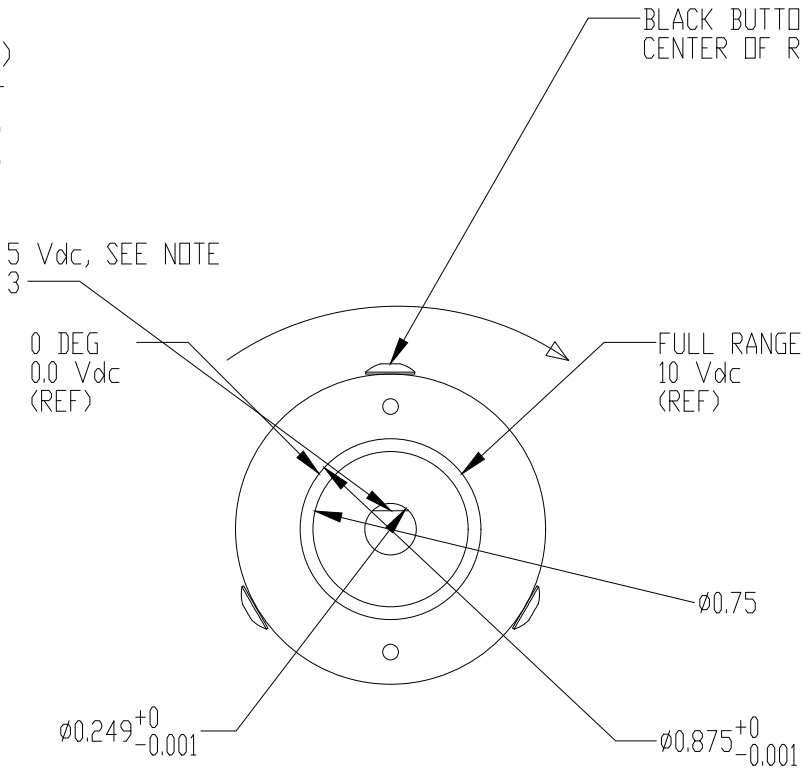


SPECIFICATIONS:

INPUT VOLTAGE RANGE	: 15 to 28 Vdc ± 10%
INPUT CURRENT DRAW	: 25mA MAX.
FULL RANGE ANGULAR DISPL.	: SEE TABLE.
LINEARITY ERROR	: ± 0.1% F. R. D.
OUTPUT VOLTAGE	: 0 - 10 Vdc
LOAD RESISTANCE	: 5000 Ohms MIN.
RIPPLE	: 5 mVrms MAX.
TEMPERATURE RANGE	: -40° to +70° C
	: (-40° to +160° F)
TEMPERATURE SENSITIVITY	
ZERO	: ± 50 ppm/°C MAX.
SPAN	: ± 50 ppm/°C MAX.
FREQUENCY RESPONSE	: 250 Hz @ -3dB

FULL RANGE ANGULAR DISPLACEMENT	
RSE 1500-030-XXX	0°-30°
RSE 1500-060-XXX	0°-60°
RSE 1500-090-XXX	0°-90°
RSE 1500-120-XXX	0°-120°



NOTES:

1. REVERSE POLARITY PROTECTED
2. LABEL IDENTIFICATION INFO:

MACRO SENSORS
PENNSAUKEN, NJ
ROTARY POSITION SENSOR
RSE 1500-XXX-SGX
S/N XXXXX

CAUTION: DO NOT CONNECT
TO PIN 2

3. FLAT OF SHAFT SHALL BE PERPENDICULAR TO THE INDEX MARK (BLACK BUTTON HEAD SCREW). THIS IS THE NOMINAL POSITION FOR THE CENTER OF THE DISPLACEMENT RANGE TO SET THE 5.0 Vdc OUTPUT POSITION.
4. SERVO-CLAMP GROOVE (SIZE 15).
5. UNIT CAPABLE OF FULL 360° ROTATION WITHOUT DAMAGE.
6. OPTIONAL FLANGE AND MOUNTING STYLES ARE AVAILABLE.

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REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
---	INITIAL RELEASE	06 DEC 2007	M. F. G.
A	CONVERTING TO TAB DWG. PER ECN #1209 (REDRAWN) ALJ	13 AUG 2008	M.F.G./D.S. C.
B	REDRAW WITH NO CHANGES ECO 12072	05 MAY 2020	

MODEL OPTIONS			
WITHOUT SEAL		WITH SEAL	
MODEL	PART NO.	MODEL	PART NO.
RSE 1500-030-SG	070369010000	RSE 1500-030-SGS	070369050000
RSE 1500-060-SG	070369020000	RSE 1500-060-SGS	070369060000
RSE 1500-090-SG	070369030000	RSE 1500-090-SGS	070369070000
RSE 1500-120-SG	070369000000	RSE 1500-120-SGS	070369040000

PIN CONNECTIONS	
PIN 1	POWER Vdc IN (+)
PIN 2	DO NOT CONNECT
PIN 3	SIGNAL OUTPUT Vdc (+)
PIN 4	(COMMON) (-)
PIN 5	CASE GND

UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES TOLERANCES ARE: ANGLES: FRACTIONS: ± 0.5 DEG ± 1/64 DECIMAL: .XX = 0.01 .XXX = 0.005	DRAWN MFG	DATE 06 DEC 2007	 MACRO SENSORS™ <i>Your sensor business partner...</i>		
	CHECKED				
	APPROVED MFG	06 DEC 2007	OUTLINE RSE-1500-XXX-SGX (SERVO-GROOVE)		
	APPROVED		SIZE B	FSCM NO. 06WW0	DWG NO. 070969XXXXXX
MATERIAL:	APPROVED		REVISIONS A		
FINISH:			SCAL E NOT TO SCALE	SHEET T	SHEET 1 OF 1