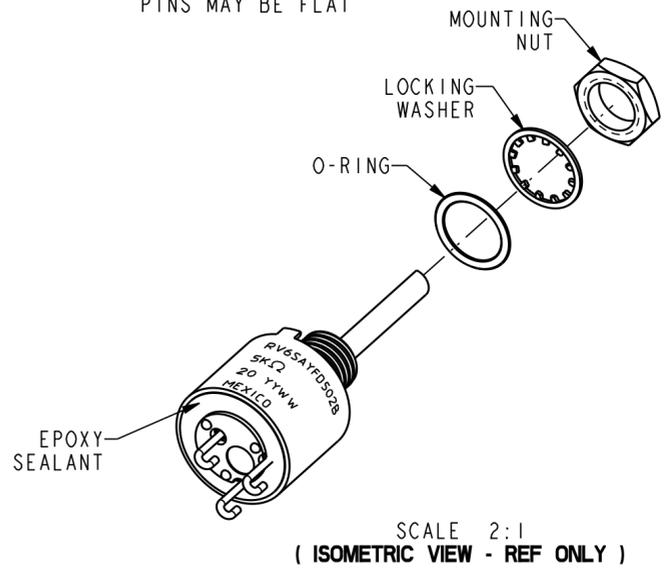
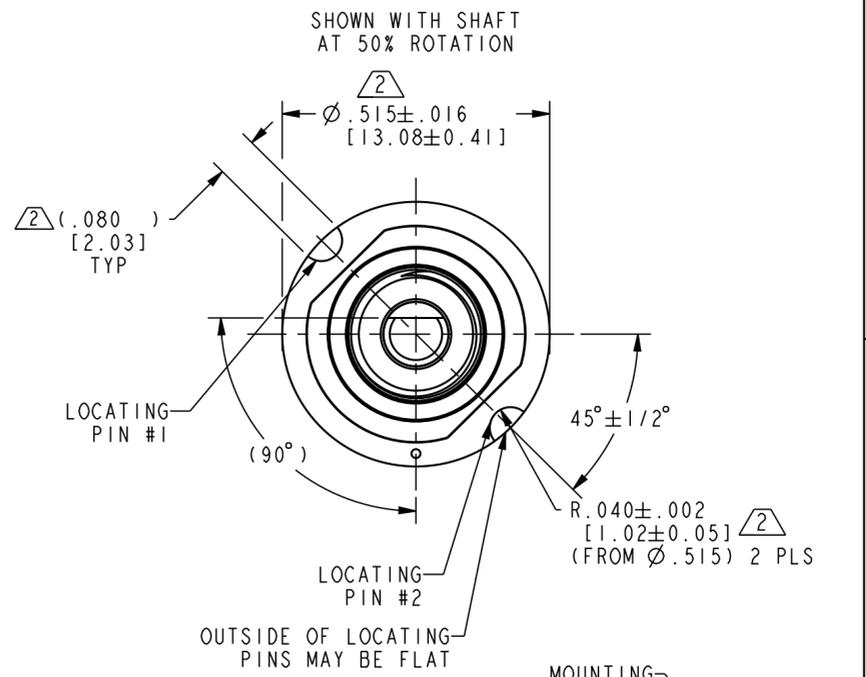
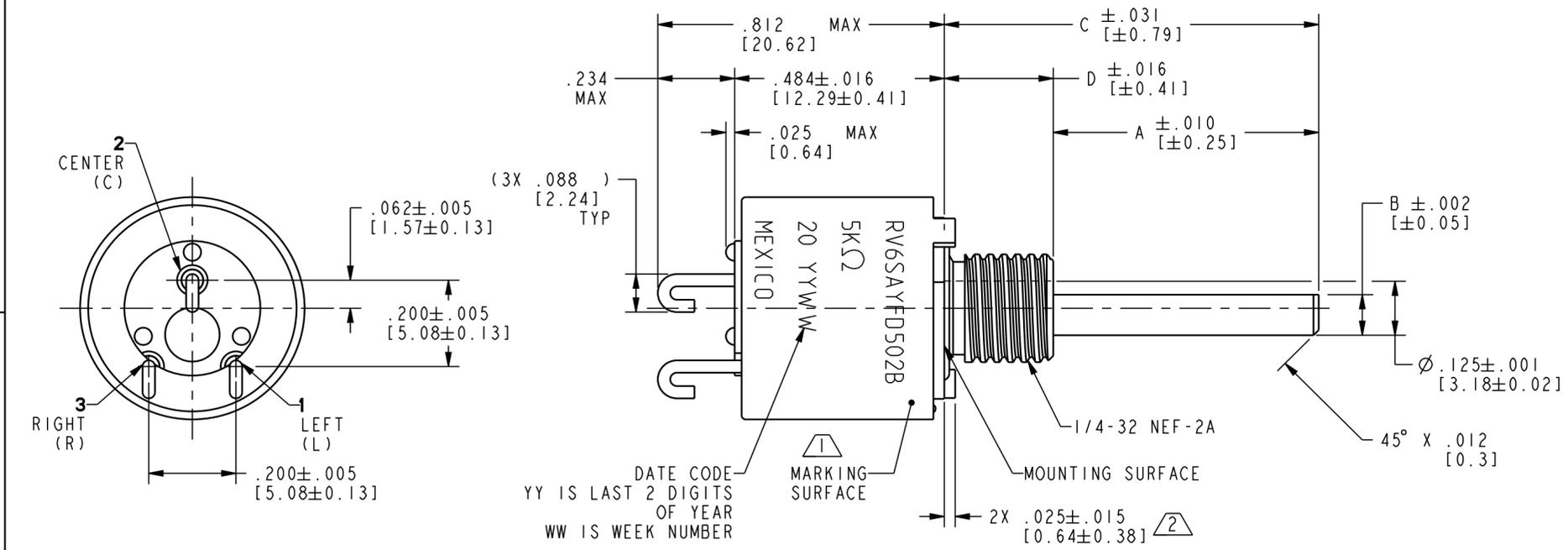


PART NUMBER
SEE SHEET-2 TABLE

REVISION HISTORY					
REV	DOCUMENT	DESCRIPTION	CHGD BY	DATE	APPROVED
A	0112190	RELEASED	BM	2014-08-05	M. MIKE



GENERAL SPECIFICATIONS AND NOTES:

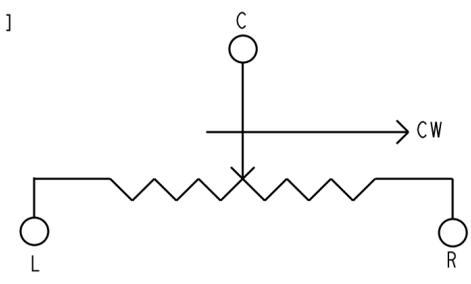
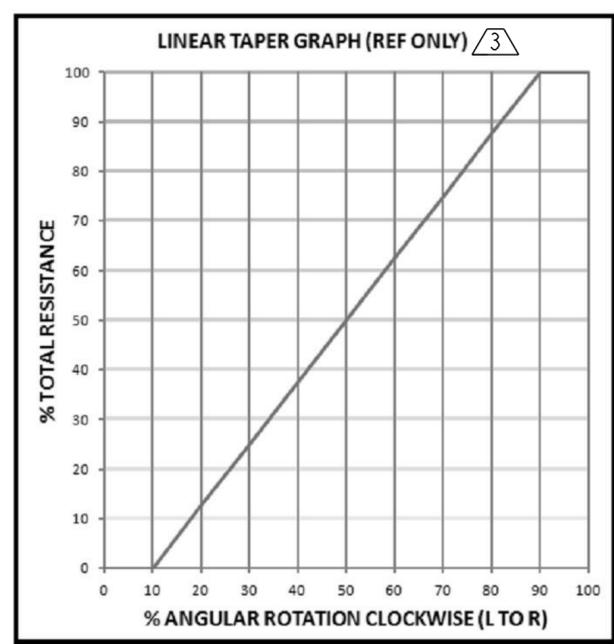
SERIES: 392
CONDUCTIVE PLASTIC ELEMENT
SUPPLIED WITH MOUNTING NUT, LOCKING WASHER AND O-RING.
NUT AND WASHER PACKAGED ASSEMBLED OR UNASSEMBLED BASED ON LISTING (REFER TO TABLE ON SHEET2), O-RING IS ASSEMBLED.
MARKING INFORMATION SHOWN ON SIDE OF HOUSING. REFER TO TABLE FOR SPECIFIC LISTING MARKING INFORMATION.
WEIGHT OF SINGLE CONTROL: .25 OUNCE [6.8 GRAMS] APPROX.
VALUES ARE SHOWN IN STANDARD AND METRIC UNITS. METRIC UNITS ARE IN [].
IF CONVERSION DIFFERENCE EXISTS, THE STANDARD UNIT PREVAILS.
CONTROLS HAVE AN INTERNAL O-RING SHAFT SEAL.
UNITS ARE SEALED FOR WAVE SOLDER AND WASH PROCESSING.
BUILT IN ACCORDANCE WITH MIL-R-94.
DIMENSIONS FOR BODY DIAMETER AND LOCATING PINS DEVIATE FROM MIL-R-94 SPECIFICATIONS.

ELECTRICAL SPECIFICATIONS:

TAPER: LINEAR
LINEARITY (INDEPENDENT): ±5%
TAPER TOLERANCE ±20% OF NOMINAL RESISTANCE AT 50% ± 3% MECHANICAL ROTATION.
MAX WORKING VOLTAGE: 350 VDC APPLIED ACROSS L & R TERMINALS. POWER NOT TO EXCEED RATING.
DIELECTRIC STRENGTH: 750 VAC FOR 60s @ ATM [1 MPa]
350 VAC FOR 60s @ 3.4 IN Hg [11.5 KPa]
POWER RATING: 0.5W @ 158°F [70°C], DE-RATED LINEARLY TO 0 @ 248°F [120°C]
CRV 1.5% OF TOTAL RESISTANCE
END RESISTANCE: 4Ω MAX AT EACH END OF ROTATION
RESISTANCE AND TOLERANCE: (REFER TO TABLE)
ELECTRICAL ROTATION: 295° ± 5°
EFFECTIVE ELECTRICAL ROTATION: 265° TYPICAL

OPERATIONAL SPECIFICATIONS:

ROTATIONAL LIFE: 50,000 CYCLES
STORAGE TEMPERATURE: -67°F [-55°C] TO 248°F [120°C]
OPERATING TEMPERATURE: -40°F [-40°C] TO 248°F [120°C]
ROTATIONAL TORQUE: 0.5 TO 2.0 OZ-IN [3.5 TO 14 mN·m]
STOP TORQUE: 3 LB-IN [0.34 N·m] MIN
MECHANICAL ROTATION: 295° ± 5°



SCHMATIC

MULTI-SHEET
DRAWING

MATERIALS	
SHAFT	NICKEL PLATED BRASS
BUSHING	NICKEL PLATED BRASS
HOUSING	THERMOPLASTIC
BASE	THERMOSET
TERMINALS	BRASS, SOLDER (TIN-LEAD) DIP FINISH
SEALANT	EPOXY
LOCK WASHER	NICKEL PLATED PHOS BRONZE
MOUNTING NUT	NICKEL PLATED BRASS
PANEL O-RING	BUNA N

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES DECIMAL TO: NO PLACE --- ± .400 [10.16] 1 PLACE --- ± .030 [0.76] 2 PLACE --- ± .010 [0.25] 3 PLACE --- ± .005 [0.13] ANGULAR TOL --- ± 2° CHAMFER --- ± 5°		THIRD ANGLE PROJECTION				<h1>Honeywell</h1>	
MATERIAL SEE TABLE		FINISH					
TITLE S-TAPER, FLATTED SHAFT, PANEL SEAL BUSHING, SOLDER HOOK TERMS		SIZE C	CAGE CODE -	DWG NO 392-MATRIX-IDWG-2	TYPE I	REV A	
SCALE 4:1		REF WT: SEE NOTE		SHEET 1 of 2			
RELEASE DATE 2014-08-05		DRW: B. MOHAPATRA 2014-05-28		RDE: M. MIKE 2014-05-28		QA: - 2014-08-05	
APPLICABLE DOCUMENTS: ASME Y14.100-2004 ASME Y14.5-2009		COMPUTER GENERATED DRAWING: PRO/ENGINEER		HONEYWELL CONFIDENTIAL THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION AND SUCH INFORMATION MAY NOT BE DISCLOSED TO OTHERS FOR ANY PURPOSE, NOR USED FOR MANUFACTURING PURPOSES WITHOUT WRITTEN PERMISSION FROM HONEYWELL			

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3

2

1

PART NUMBER
SEE SHEET-2 TABLE

LISTING	CHARACTERISTICS							MARKING 			
	ELECTRICAL		MECHANICAL					LINE-1	LINE-2	LINE-3	LINE-4
	RES (Ω)	RES TOL	A FLAT LENGTH IN [mm]	B FLAT THICK IN [mm]	C SHAFT LENGTH IN [mm]	D BUSHNG LENGTH IN [mm]	MTG HARDWARE				
392551M9725	5kΩ	±20%	.609 [15.47]	.094 [2.39]	.875 [22.23]	.250 [6.35]	UNASSEMBLED	RV6SAYFD502B	5kΩ	20 YYWW	MEXICO

D

D

C

C

B

B

A

A

4

3

2

1

Honeywell				
TITLE S-TAPER, FLATTED SHAFT, PANEL SEAL BUSHING, SOLDER HOOK TERMS				
SIZE C	CAGE CODE -	DWG NO 392-MATRIX-IDWG-2	TYPE I	REV A
SCALE NONE	REF WT: SEE NOTE	SHEET 2 of 2		