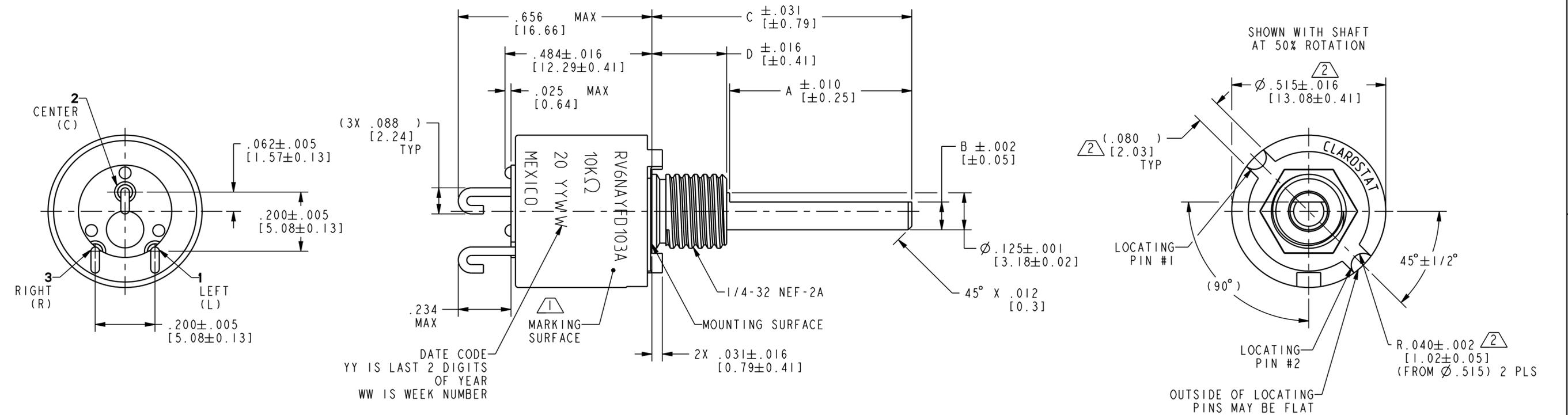


PART NUMBER
SEE SHEET-2 TABLE

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



GENERAL SPECIFICATIONS AND NOTES:

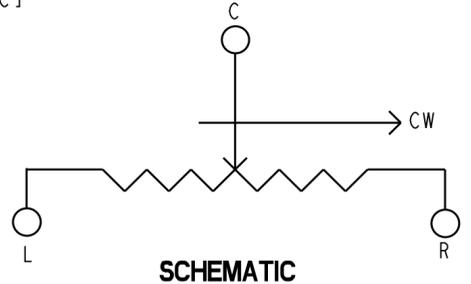
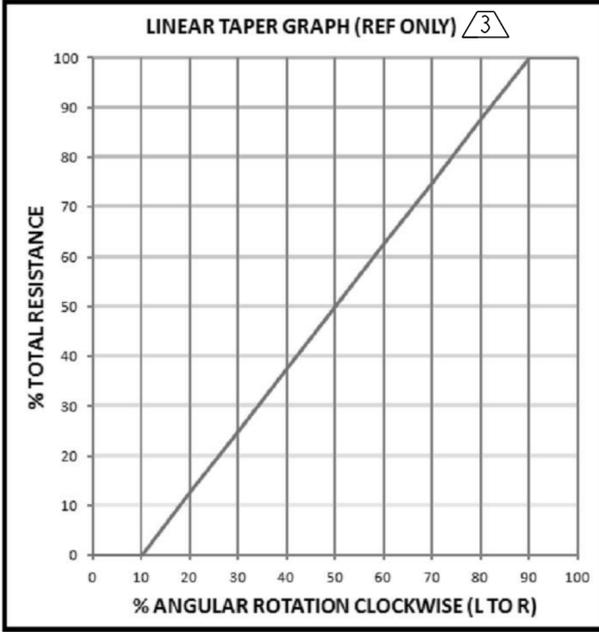
- SERIES: 392
- CONDUCTIVE PLASTIC ELEMENT
- SUPPLIED WITH MOUNTING NUT AND LOCKING WASHER PACKAGED ASSEMBLED OR UNASSEMBLED BASED ON LISTING (REFER TO TABLE ON SHEET2).
- MARKING INFORMATION SHOWN ON SIDE OF HOUSING. REFER TO TABLE FOR SPECIFIC LISTING MARKING INFORMATION.
- WEIGHT OF SINGLE CONTROL: .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°



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

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES DECIMAL TOL: 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					Honeywell					
MATERIAL SEE TABLE							TITLE S-TAPER, FLATTED SHAFT, STD BUSHING, SOLDER HOOK TERMS		SIZE C	CAGE CODE -	DWG NO 392-MATRIX-IDWG-3	TYPE I
FINISH				SCALE 4:1		REF WT: SEE NOTE		SHEET 1 of 2				
APPLICABLE DOCUMENTS: ASME Y14.100-2004 ASME Y14.5-2009				RELEASE DATE 2014-08-05		DRW: B. MOHAPATRA 2014-05-28		RDE: M. MIKE 2014-05-28				
COMPUTER GENERATED DRAWING: PRO/ENGINEER				CHK: S. RAGHU 2014-08-05		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						

MULTI-SHEET
DRAWING

4

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 BUSHING LENGTH IN [mm]	MTG HARDWARE				
392550M9416	10KΩ	±10%	.609 [15.47]	.094 [2.39]	.875 [22.23]	.250 [6.35]	UNASSEMBLED	RV6NAYFD103A	10KΩ	20 YYWW	MEXICO

D

D

C

C

B

B

A

A

4

3

2

1

Honeywell				
TITLE S-TAPER, FLATTED SHAFT, STD BUSHING, SOLDER HOOK TERMS				
SIZE C	CAGE CODE -	DWG NO 392-MATRIX-IDWG-3	TYPE I	REV A
SCALE NONE	REF WT: SEE NOTE	SHEET 2 of 2		