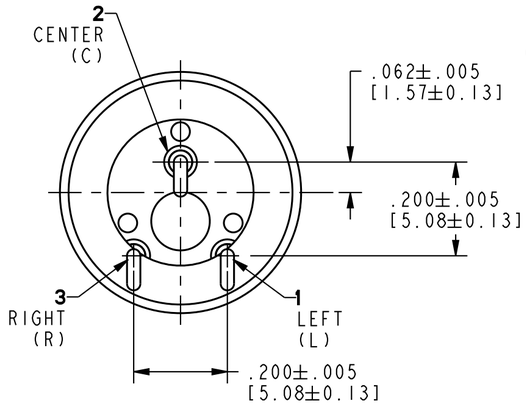
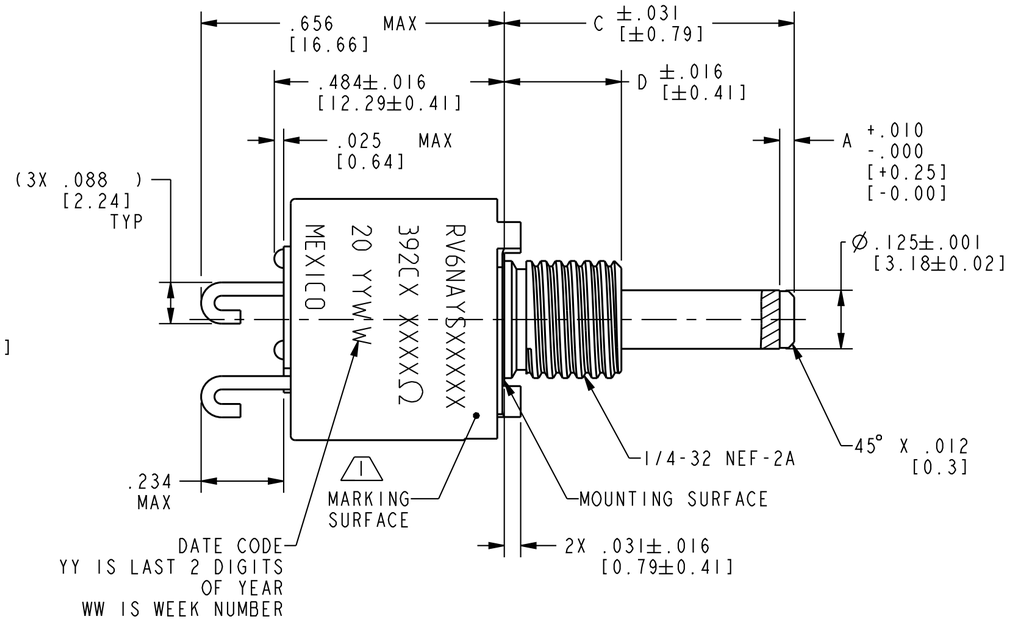
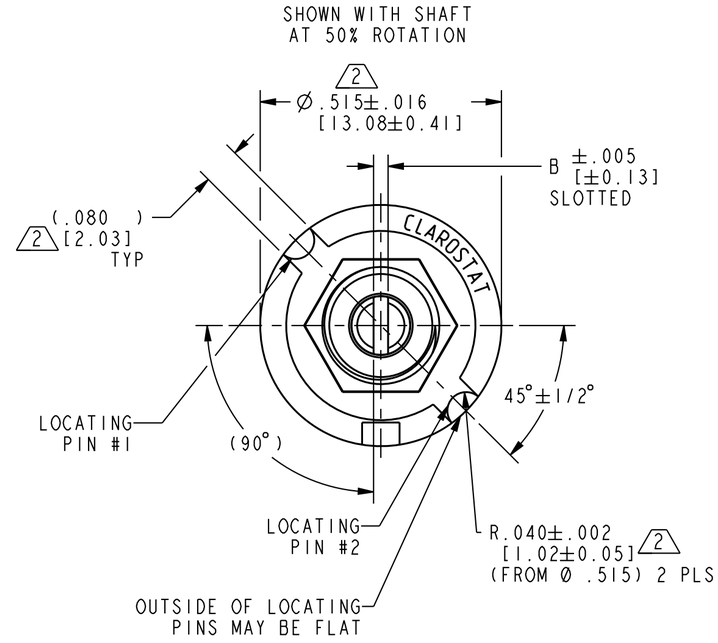
PART NUMBER
SEE SHEET-2 TABLE

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







GENERAL SPECIFICATIONS AND NOTES:

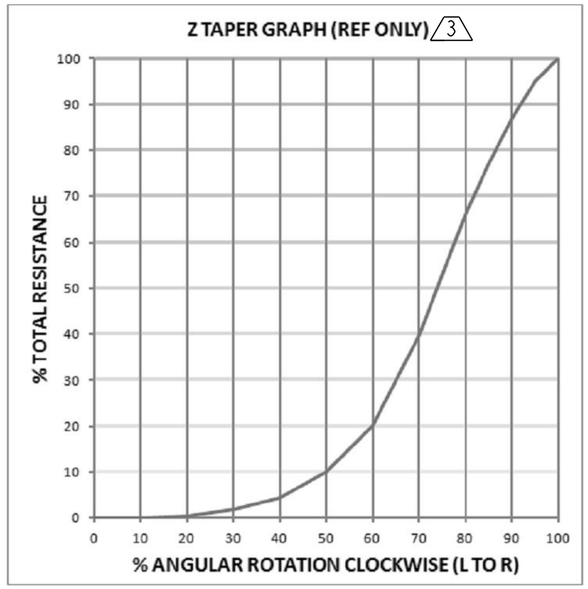
SERIES: 392
CONDUCTIVE PLASTIC ELEMENT
SUPPLIED WITH MOUNTING NUT AND LOCKING WASHER, PACKAGED
ASSEMBLED OR UNASSEMBLED BASED ON LISTING (REFER TO TABLE ON SHEET2).
/1\ MARKING INFORMATION SHOWN ON SIDE OF HOUSING.
REFER TO TABLE FOR SPECIFIC LISTING MARKING INFORMATION.
WEIGHT OF SINGLE CONTROL: .25 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.
/2\ DIMENSIONS FOR BODY DIAMETER AND LOCATING PINS DEVIATE FROM MIL-R-94 SPECIFICATIONS.

ELECTRICAL SPECIFICATIONS:

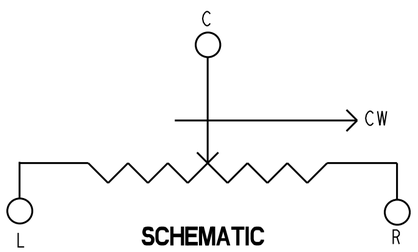
/3\ TAPER: Z (10% RESISTANCE AT 50% OF CLOCKWISE ROTATION)
TAPER TOLERANCE ±20% OF NOMINAL RESISTANCE AT 50%±3% ROTATION
MAX WORKING VOLTAGE: 350 VDC APPLIED ACROSS L & R TERMINALS. POWER NOT TO EXCEED RATING.
DIELECTRIC STRENGTH: 750 VAC FOR 60s @ ATM [1 MPa]
350 VAC FOR 60s @ 3.4 IN Hg [11.5 KPa]
POWER RATING: 0.25W @ 158°F [70°C], DE-RATED LINEARLY TO 0 @ 248°F [120°C]
CRV 3.1% OF TOTAL RESISTANCE
END RESISTANCE: 4Ω MAX AT LOW END AND 15Ω MAX AT HIGH END.
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 [340 mN·m] MIN
MECHANICAL ROTATION: 295° ± 5°



SCALE 2:1
(ISOMETRIC VIEW - REF ONLY)



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

MULTI-SHEET DRAWING

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

MATERIAL: SEE TABLE

FINISH

APPLICABLE DOCUMENTS: ASME Y14.100-2004
ASME Y14.5-2009

COMPUTER GENERATED DRAWING: PRO/ENGINEER

Honeywell

TITLE: **Z-TAPER, SLOTTED SHAFT, STD BUSHING, SOLDER HOOK TERMS**

SIZE	CAGE CODE	DWG NO	TYPE	REV
C	-	392-MATRIX-IDWG-20	I	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: -	-
CHK: S. RAGHU	2014-08-05

PART NUMBER
SEE SHEET-2 TABLE

LISTING	CHARACTERISTICS							MARKING ⚠1			
	ELECTRICAL		MECHANICAL								
	RES (Ω)	RES TOL	A SLOT DEPTH IN [mm]	B SLOT WIDTH IN [mm]	C SHAFT LENGTH IN [mm]	D BUSHING LENGTH IN [mm]	MTG HARDWARE	LINE-1	LINE-2	LINE-3	LINE-4
392550M7134	10KΩ	±10%	.031 [.79]	.031 [.79]	.625 [15.88]	.250 [6.35]	ASSEMBLED	RV6NAYSA103C	10KΩ	20 YYWW	MEXICO
392550M9292	100KΩ	±10%	.031 [.79]	.031 [.79]	.625 [15.88]	.250 [6.35]	UNASSEMBLED	RV6NAYSA104C	100KΩ	20 YYWW	MEXICO
392550M8953	1KΩ	±10%	.031 [.79]	.031 [.79]	.875 [22.23]	.250 [6.35]	UNASSEMBLED	RV6NAYSD102C	1KΩ	20 YYWW	MEXICO
392550M9722	1KΩ	±10%	.031 [.79]	.031 [.79]	.875 [22.23]	.250 [6.35]	UNASSEMBLED	RV6NAYSD102D	1KΩ	20 YYWW	MEXICO
392550M9653	5KΩ	±20%	.031 [.79]	.031 [.79]	.875 [22.23]	.250 [6.35]	UNASSEMBLED	RV6NAYSD502D	5KΩ	20 YYWW	MEXICO

Honeywell

TITLE				
Z-TAPER, SLOTTED SHAFT, STD BUSHING, SOLDER HOOK TERMS				
SIZE C	CAGE CODE -	DWG NO 392-MATRIX-IDWG-20	TYPE I	REV A
SCALE NONE	REF WT: SEE NOTE	SHEET 2 of 2		