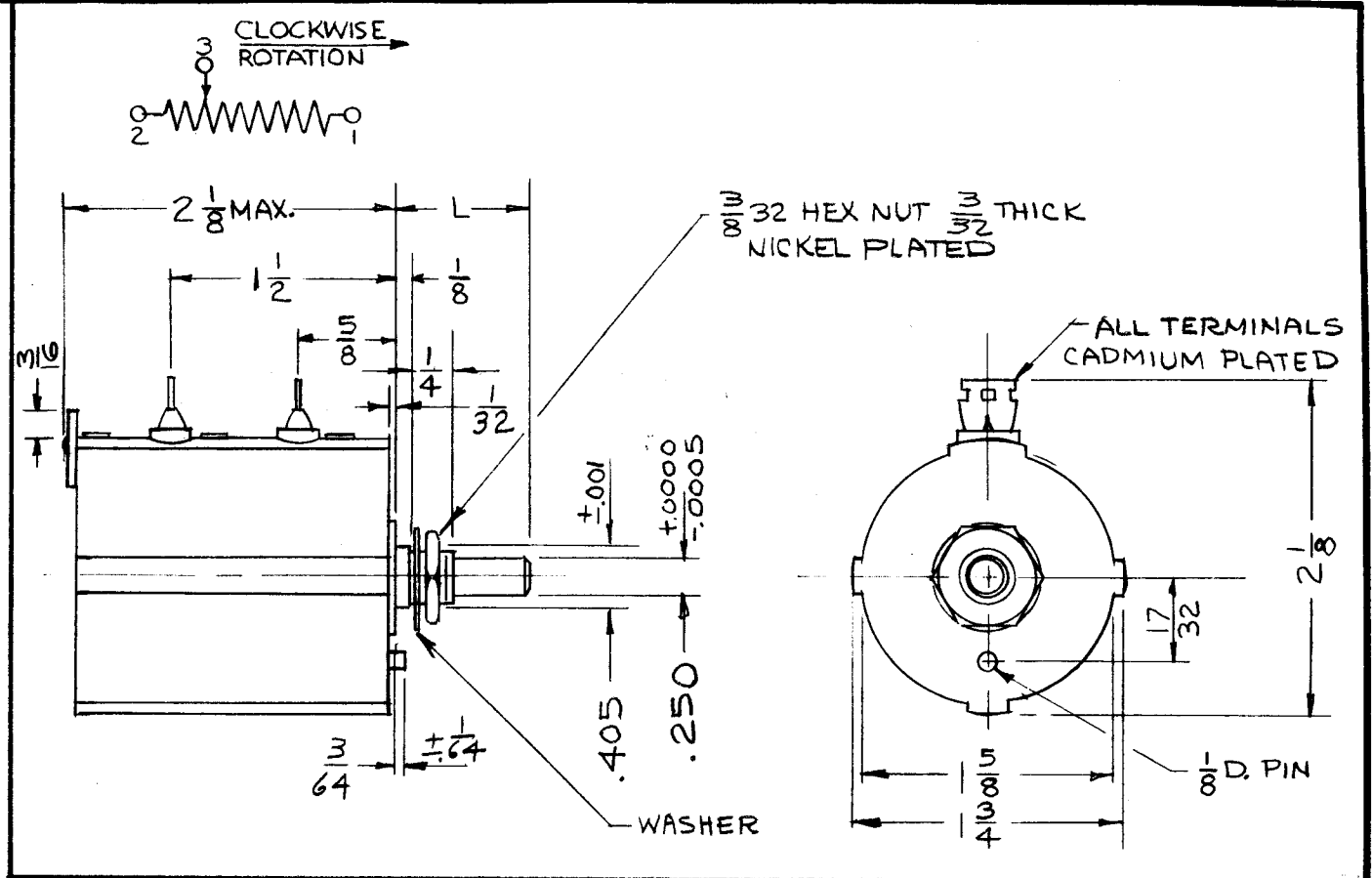
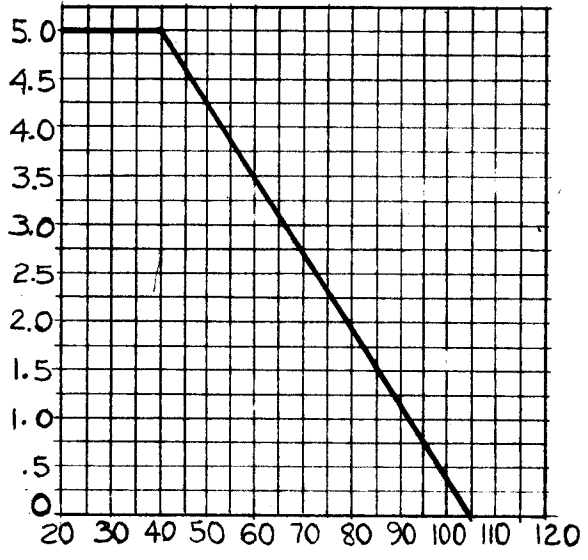


PART NO.	TOTAL RESISTANCE	LINEARITY	TYPE OF LINEARITY		RESOLUTION NO. OF TURNS	TYPE OF WIRE
			INDEPENDENT	ZERO BASED		
RP102-1.15	1.15†	0.1%	YES	NO	INFINITE	NICHROME V
2.9	2.9†	0.1%	YES	NO	INFINITE	"
50	50	0.1%	YES	NO	3,270	LOHM
101	100	0.1%	NO	YES	4,100	"
201	200	0.1%	NO	YES	5,200	"
501	500	0.1%	NO	YES	4,000	ADVANCE
102	1,000	0.1%	NO	YES	5,500	"
202	2,000	0.1%	NO	YES	7,250	"
502	5,000	0.1%	NO	YES	9,350	"
103	10,000	0.1%	NO	YES	9,350	NICHROME V
203	20,000	0.1%	NO	YES	11,600	"
303	30,000	0.1%	NO	YES	13,000	"
403	40,000	0.1%	NO	YES	14,500	"
503	50,000	0.1%	NO	YES	14,000	"
RP102-104	100,000	0.1%	NO	YES	20,000	"

OTHER RESISTANCES & TOLERANCES AVAILABLE UPON SPECIAL REQUEST.

† AVAILABLE ONLY WITH TOTAL RESISTANCE ± 10%

POWER RATING CURVE



ELECTRICAL SPECIFICATIONS

- MECHANICAL ROTATION 3600° +15° -0
- ELECTRICAL ROTATION 3600° +14.4° -0
THESE TOLERANCES ARE INDEPENDENT OF EACH OTHER
- TOTAL RESISTANCE 1.15 OHMS TO 100,000 OHMS, TOLERANCE ± 5%
- LINEARITY ACCURACY ± 0.1% (INDEPENDENT OR ZERO BASED)
- TORQUE (NOT OVER 1.5 IN. OUNCES RUNNING)
" " 30 " " STARTING
- POWER DISSIPATION 5 WATTS AT 40°C
- SHAFT EXTENSION "L" 7/8 OR SPECIAL TO ORDER
- LIFE: NOT LESS THAN 50,000 CYCLES (ONE MILLION REVOLUTIONS)

NOTICE TO PERSONS RECEIVING THIS DRAWING

THE TECHNICAL MATERIEL CORPORATION claims proprietary right in the material disclosed herein. This drawing is issued in confidence for engineering information only and may not be copied or used to manufacture anything shown herein without permission from THE TECHNICAL MATERIEL CORPORATION to the user. This drawing is loaned for mutual assistance and is subject to recall at any time.

Property of:
THE TECHNICAL MATERIEL CORPORATION
MAMARONECK, NEW YORK

ISSUE	ITEM	CHANGED FROM	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.
A	3	ON ELEC SPEC ITEM 4 WAS ± 0.1% (0.05%)	5-8-61	4828	M.A.G.	J.P.T.	S.P.M.
	2	RP-102-102 THRU 403 LINEARITY WAS 0.1% - 0.05%					
	1	ON RP-102-101 THRU 104 NO WAS YES					

TOLERANCES: DEC. DIM. ±, FRAC. DIM. ±, ANGULAR DIM. ±

SCALE: S-401-125 (205)

MAXIMUM ALLOWABLE TOLERANCES HAVE BEEN DETERMINED AND ANY DEVIATIONS WILL BE CAUSE FOR REJECTION. REMOVE ALL BURRS AND SHARP EDGES

1	TIS-3	9-21-60
REQ. PER UNIT	MODEL	DATE
	PROJECT NO.	ASS'Y. NO.
	USED ON	

REQ. ITEM	PART NO.	DESCRIPTION	SYMBOL
		THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK	
		RESISTOR, VARIABLE	
		PRECISION	
		DRAWN	CHECKED
		FINAL APPROVAL	
		RP-102 A	