

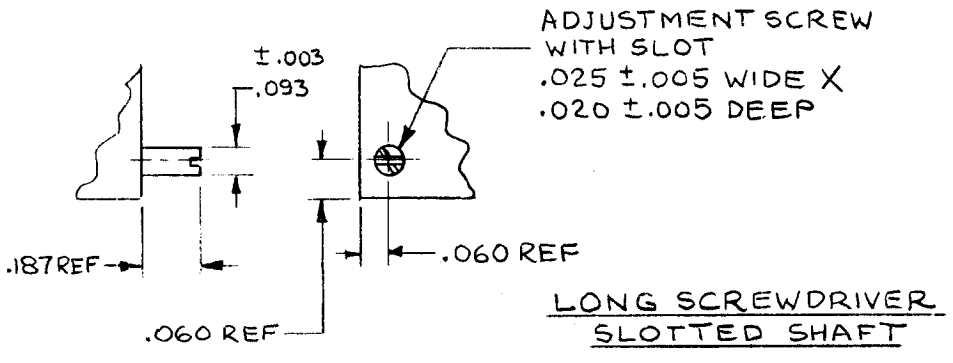
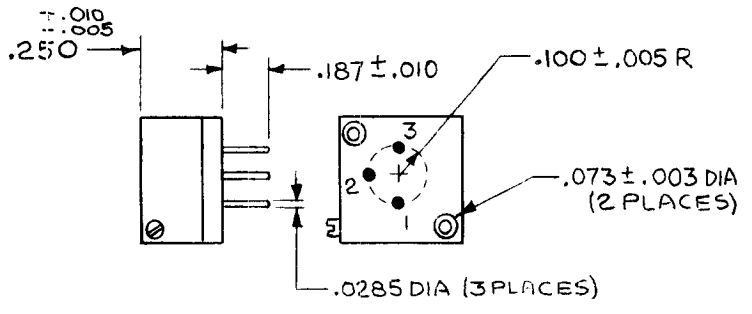
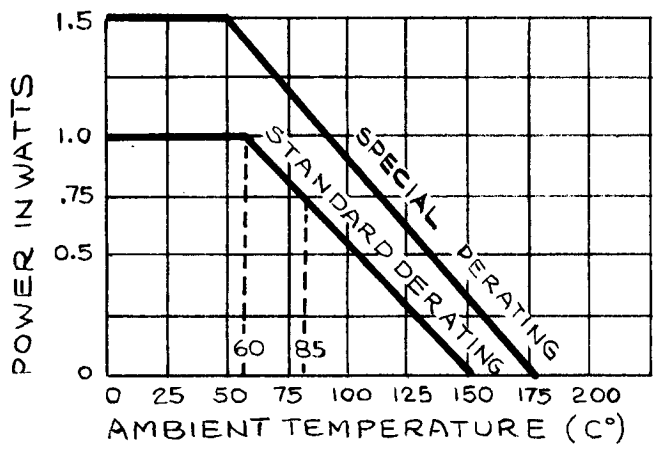
STANDARD DRAWING

TMC PART NO.	MFG PART NO.	DERATING	STANDARD VALUES & RESOLUTION		REQ. PER UNIT	USED ON			RV113	A
			RESISTANCE	RESOLUTION		MODEL	ASS'Y. NO.	DATE		
RV113-1	201-10	STANDARD	100 Ω	0.43 %	7	VLRB-1		7-10-64		
RV113-2	201-10	STANDARD	5000 Ω	0.43 %						

ELECTRICAL AND MECHANICAL SPECIFICATIONS

STANDARD RESISTANCE RANGE	10 OHMS TO 50K OHMS
STANDARD RESISTANCE TOLERANCE	±5%
POWER RATING	1.0 WATT @ 60°C STAND.
INSULATION RESISTANCE, 500VDC	1000 MEGS MINIMUM
DIELECTRIC STRENGTH	1000V RMS 1 MINUTE
MAXIMUM NOISE	100 OHMS
ROTATION-ADJUSTMENT RATIO	STOPS AND SLIP CLUTCH 33:1
FULL ELECTRICAL TRAVEL	26 TURNS MINIMUM
END RESISTANCE	1% MAXIMUM

DERATING CURVES



SYM	DESCRIPTION	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.	REQ. ITEM	PART NO.	GELLMAN DESCRIPTION	SYMBOL	
A	-2 ADDED TO P/N CHART	5.9.66	16231	WFB	JRB	JC			THE TECHNICAL MATERIEL CORP. MAMARONECK. NEW YORK RESISTOR, VARIABLE (SQUARE TRIMMER)		
Q	ORIGINAL RELEASE FOR PRODUCTION	8.3.64	Φ	WFB							
X	EXPER. RELEASE	7.10.64	X	WFB							
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES		SCALE		NONE			MATERIAL				
DECIMALS .X ± .05 .XX ± .01 .XXX ± .005		FRACTIONS ± 1/64 ANGLES ± 0° 30'		CODE		C S401-303 (201-10)		TYPE & TEMPER HEAT TREAT. SPEC.		DRAWN: WFB 7.10.64 CHECKED: [Signature] FINAL APPROVAL: [Signature]	
TOLERANCES						FINISH & SPEC. NO.		ELEC. DES. APP. JC 8/18/64 MECH. DES. APP. [Signature]		RV113	A

STANDARD DRAWING

STANDARD RESISTANCES	
Resistance (OHMS)	Nom. Resolution (Percent)
50	1.4
100	1.0
200	0.8
500	0.7
1,000	0.5
2,000	0.4
5,000	0.35
10,000	0.25
20,000	0.20

REQ. PER UNIT	USED ON		
	MODEL	ABS'Y. NO.	DATE
	RTPH-1		1/4/66

RV121 \emptyset

SPECIFICATION

Resistance Range: 50 Ω to 20K

Resistance Tol: $\pm 10\%$

Temp. Coefficient: 100PPM/ $^{\circ}$ C Max.

Power Rating: $\frac{1}{2}$ Watt @ 25 $^{\circ}$ C DeRate To Zero @ 105 $^{\circ}$ C

Oper. Temp. Range: -55 To +105 $^{\circ}$ C

Dielectric Strength: 500 VAC Min.

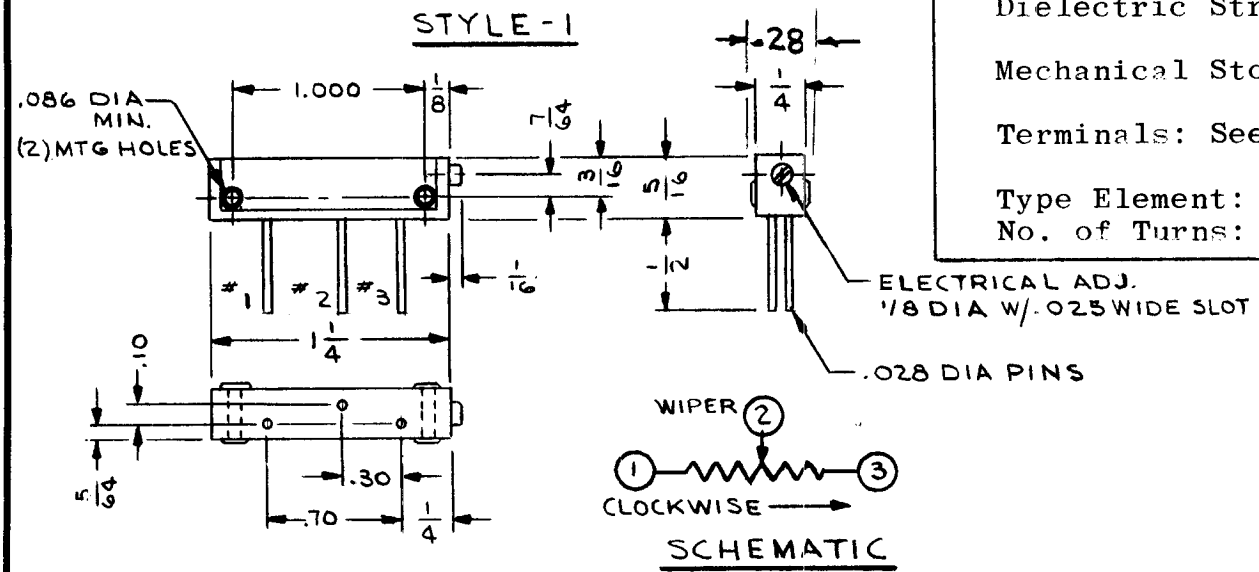
Mechanical Stop: Idler Clutch

Terminals: See Pictorials

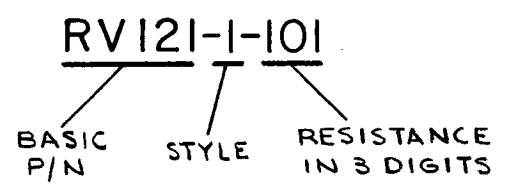
Type Element: Wire

No. of Turns: 22+ 5

STYLE-1



TMC P/N Shall Be In Following Form



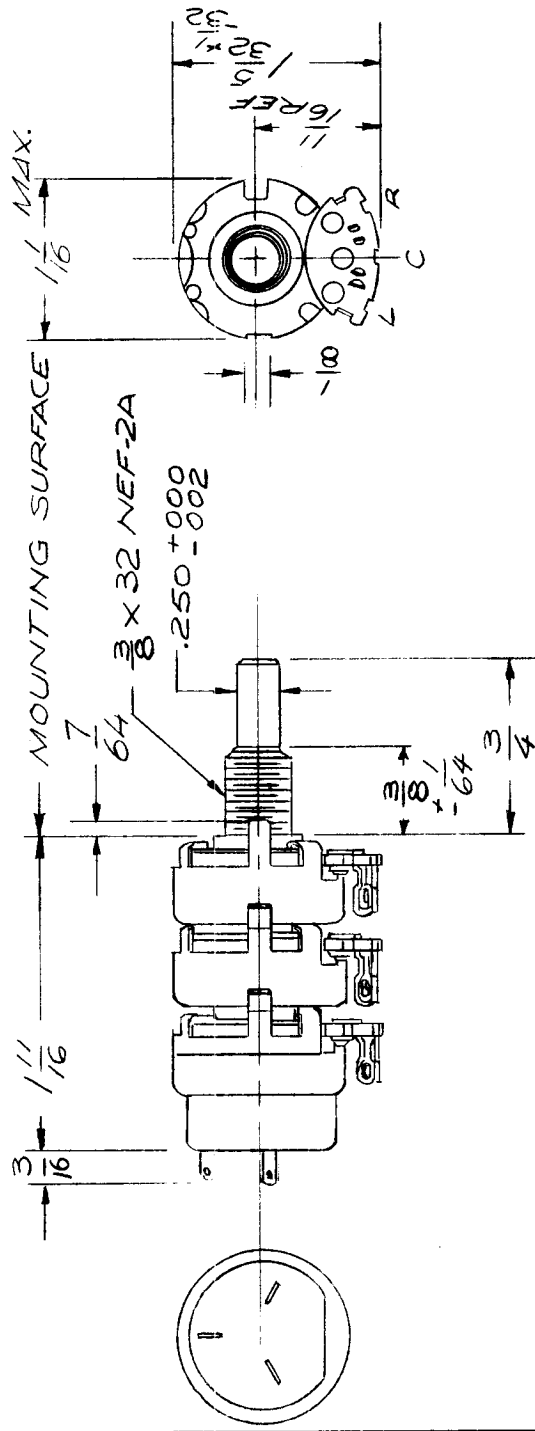
REQ.	ITEM	PART NO.	DESCRIPTION	SYMBOL
			THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK	
			STOCK SIZE	
			RESISTOR, VARIABLE	
			MATERIAL	
			TYPE & TEMPER HEAT TREAT. SPEC.	
			DRAWN	
			CHECKED	
			FINAL APPROVAL	
			FINISH & SPEC. NO.	
			ELEC. DES. APP.	
			MECH. DES. APP.	

APPLICATION			REVISIONS						
QTY	MODEL USED ON	ASSY NO.	LTR	DESCRIPTION	DATE	E.M.N.NO	DRAFT	CHKD	APPD
	HERR-4		A	PICTORIAL ADD.	3.18.69	19353	GE		
			E	CHG MFG. REF. & REAR TERM CONF.	4.28.76	19827	GE		

SPECIFICATIONS

EACH SECTION $10K\Omega$ (C) 1 TAPER
 SHAFT: PLAIN, ROUND (3/4 FMS)
 BUSHING: 3/8 WITH SPDT SWITCH
 RATED AT 3.0 AMPS

MFR REF: T53MS - 10K-S±20 BU3/8 SH3/4FMS P.R./AE30SW



UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES	REQ'D ITEM	PART NUMBER	DESCRIPTION	SYM.
DECIMALS .X ± .05 TOLS. .XX ± .01 ANGLES .XXX ± .005 0°-30'	FINAL APPROVAL	EFM	DATE 11/9/68	
MATERIAL	MECH. DES.		DATE	
FINISH	ELECT. DES.		DATE	
5401-61	CHECKED	JAD	DATE 10/9/68	
	DRAWN	G. EVANGELIST	DATE 3/19/60	
LIST OF MATERIAL				
THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK				
RESISTOR, VARIABLE (W SPDT SWITCH)				
SIZE	CODE IDENT. NO.	DWG NO.	ISSUE	
A	82679	RV128	B	
SCALE	SHEET	OF		

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APPLICATION			REVISIONS						
QTY	MODEL USED ON	ASS'Y NO	LTR	DESCRIPTION	DATE	E.M.N.NO	DRAFT	CHKD	APPD
	SPT3K/VHF	AP137	Ø	ORIG RELEASE FOR PROD	4/6/64		CV		
	SPT3K/VHF	AX8080							
	SPT3K/VHF	AX8031							

MFR (TMC CODE NO.): S401-107

TMC P/N	MFR P/N	RESISTANCE
RV8001-1	MTC12L4	100Ω
-2	MTC13L1	1KΩ
-3	MTC14L1	10KΩ

SPECIFICATIONS

TYPE: MINIATURE 1/4 WATT TRIMMER
 ADJUSTMENT: FLUSH, OPEN, CROSSED SLOT
 TAPER: LINEAR
 ROTATION: 270°
 RATING: 500V, MAX
 SIZE: 9/16 DIA
 MOUNTING: VERTICAL

REQ'D	ITEM	PART NUMBER	DESCRIPTION	SYM.
LIST OF MATERIAL				
THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK				
RESISTOR, VARIABLE, COMP				
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES				
DECIMALS				
FRACTIONS				
.X ± .05 TOLS.				
.XX ± .01 ANGLES				
.XXX ± .005 0° -30'				
MATERIAL				
FINISH				
FINAL APPROVAL <i>[Signature]</i> DATE 8/11/64 MECH. DES. <i>[Signature]</i> DATE 7/21/64 ELECT. DES. <i>[Signature]</i> DATE 7/21/64 CHECKED <i>[Signature]</i> DATE 7/21/64 DRAWN <i>[Signature]</i> DATE 7/21/64				
SIZE	CODE IDENT. NO.	DWG NO.	ISSUE	
A	82679	RV 8001	Ø	
SCALE		SHEET	OF	

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