

REQ. PER UNIT	USED ON			RW-123
	MODEL	ASS'Y. NO.	DATE	
4	AX-413	A-3153		

**SPECIFICATIONS**

TOLERANCE: G = ±2%, 5 OHMS AND ABOVE ONLY  
 J = ±5%, STANDARD  
 K = ±10%

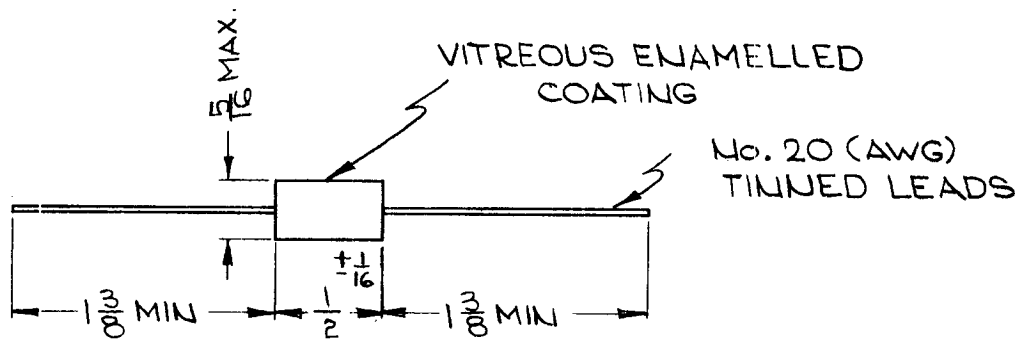
MAXIMUM TEMPERATURE: 340°C. AT 40°C. AMBIENT  
 TEMPERATURE COEFFICIENT OF RESISTANCE:  
 ±.026% PER °C.

CHARACTERISTIC: V

RESISTANCE RANGE: 1 OHM THROUGH 10K OHMS IN  
 STANDARD EIA VALUES.

DERATING: ABOVE 40°C. -0.34% RATED LOAD  
 PER °C.

TERMINAL STRENGTH: 10 LBS. DIRECT PULL  
 UNITS TO MEET THE REQUIREMENTS OF MIL-R-26C.



**RW-123 - 103J**

BASIC PART NUMBER      RESISTANCE IN OHMS \* AND TOLERANCE

\* TOTAL RESISTANCE IN OHMS IS INDICATED BY A THREE DIGIT NUMBER. THE 1st TWO DIGITS ARE THE FIRST TWO SIGNIFICANT FIGURES. THE LAST DIGIT SPECIFIES THE NUMBER OF ZEROS WHICH FOLLOW THE FIRST TWO FIGURES.

EXAMPLE: 103=10,000 OHMS

REQ.	ITEM	PART NO.	DESCRIPTION				SYMBOL
			Kohn				
STOCK SIZE			THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK				
			RESISTOR, FIXED, WIREWOUND;				
			3 WATTS				
SYM	DESCRIPTION	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.	MATERIAL
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES		SCALE DO NOT SCALE					
DECIMALS .X ± .05 .XX ± .01 .XXX ± .005	TOLERANCES	FRACTIONS ± 1/64 ANGLES ± 0° 30'	CODE C	S-401-32 SS-401-49 (242E) S-401-56			TYPE & TEMPER    HEAT TREAT. SPEC.
				11-5-63		11/15/63	FINAL APPROVAL
				RKohn		RKohn	RW-123
FINISH & SPEC. NO.			ELEC. DES. APP.		MECH. DES. APP.		

# STANDARD DRAWING

STANDARD VALUES			
CURRENT		CURRENT	
OHMS	m.a.	OHMS	m.a.
1	1732	600	71
1.5	1414	700	66
2	1225		
3	1000	800	61
4	866	900	58
5	775	1000	55
7.5	632	1100	52
10	548		
15	447	1500	45
20	387		
25	346	2000	39
30	316		
		2500	35
40	274	3000	32
50	245		
75	200	4000	27
100	173	4500	26
		5000	25
150	141	6000	22
200	122		
250	110	7500	20
300	100		
		8000	20
400	87	9000	18
		10000	17
500	77		

**SPECIFICATIONS**

TOLERANCE: G= ±2%, 5 OHMS AND ABOVE ONLY  
 J= ±5%, STANDARD  
 K= ±10%

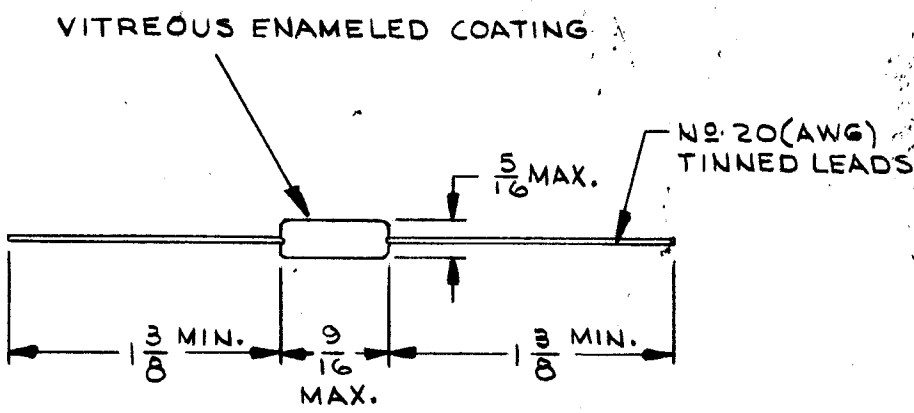
TEMPERATURE COEFFICIENT OF RESISTANCE:  
 ± .026% PER °C

POWER DERATING: 100% @25°C TO ZERO @350°C

REF MIL-R-26C

Ø  
RW123

REVISIONS					
SYM	DESCRIPTION	DATE	E.M.N. NO.	DRAFT	APPD
Ø	ORIGINAL RELEASE FOR PRODUCTION	4-5-66	Ø	Ww	



TMC DRAWING NUMBER WILL BE IN THE FOLLOWING FORM

**RW123-103K**

Basic Part No.      Resistance In ohms \* and Tolerance

\*TOTAL RESISTANCE IN OHMS IS INDICATED BY A THREE DIGIT NUMBER. THE 1st TWO DIGITS ARE THE FIRST TWO SIGNIFICANT FIGURES. THE LAST DIGIT SPECIFIES THE NUMBER OF ZEROS WHICH FOLLOW THE FIRST TWO FIGURES.

EXAMPLE: 103-10,000 OHMS

**NOTES**

4	AX413	A3153
Q'TY./UNIT	MODEL USED ON	ASS'Y. NO.
SCALE	CODE	S401-49 (242E) S401-32 (3X)

THE CONTENTS OF THIS DRAWING ARE THE EXCLUSIVE PROPERTY OF THE TECHNICAL MATERIEL CORP. ITS UNAUTHORIZED USE OR REPRODUCTION IN WHOLE OR IN PART IS STRICTLY FORBIDDEN.

REQ'D.	ITEM	PART NUMBER	DESCRIPTION	SYMBOL
<b>LIST OF MATERIAL</b>				
MATERIAL		<b>THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK</b>		
FINISH		<b>TITLE RESISTOR, FIXED WIREWOUND (3 WATTS)</b>		
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES		DRAWN <i>Ww</i>	DATE <i>3-31-66</i>	FINAL APPROVAL <i>[Signature]</i>
		CHECKED <i>[Signature]</i>	DATE <i>4-4-66</i>	DATE <i>4-5-66</i>
		ELECT. DES. <i>[Signature]</i>	DATE <i>4-5-66</i>	DATE <i>Ø</i>
		MECH. DES.	DATE	DATE
		<b>RW123</b>		<b>Ø</b>
		SHEET		REV. LTR.