

MIL-R-12934H  
 AMENDMENT 1  
 13 April 1979

MILITARY SPECIFICATION

RESISTORS, VARIABLE, WIRE-WOUND, PRECISION  
 GENERAL SPECIFICATION FOR

This amendment forms a part of Military Specification MIL-R-12934H, dated 14 March 1974, and is approved for use by all departments and agencies of the Department of Defense.

PAGE 1

1.2.1 Type designation, under "class", add "and center tap".

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TABLE I, delete and substitute:

"Table I. Function and Shaft Length.

SYMBOL	LENGTH $\frac{1}{2}$			FUNCTION
	SERVO MOUNTED	BUSHING MOUNTED (single turn)	BUSHING MOUNTED (multi-turn)	
	<u>Inches</u>	<u>Inches</u>	<u>Inches</u>	
	( $\pm 1/32$ )	( $\pm 1/32$ )	( $\pm 1/32$ )	
A	3/8	3/4	-	Linear
B	1/2	7/8	-	Linear
C	5/8	1	5/8	Linear
D	3/4	1-1/8	3/4	Linear
E	7/8	1-1/4	7/8	Linear
F	1	1-3/8	1	Linear
X	As specified	As specified	As specified	As specified

$\frac{1}{2}$  Length of shaft from mounting surface of resistor, nominal. "

1.2.1.2, delete and substitute:

"1.2.1.2 Function and shaft length. The type of function and shaft length are identified in accordance with Table I (see 3.1)."

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1.2.1.3, delete and substitute:

"1.2.1.3 Class and center tap. The class and center tap is identified by a single digit in accordance with Table II and as specified (see 3.1)."

Table II. Class and Center Tap.

SYMBOL	CLASS 1		CENTER TAP $\frac{1}{2}$
	MAXIMUM AMBIENT TEMPERATURE AT RATED WATTAGE	MAXIMUM AMBIENT OPERATING TEMPERATURE	TAP LOCATED AT CENTER OF RESISTIVE ELEMENT ( $\pm 1^{\circ}$ )
	<u>OC</u>	<u>OC</u>	
2	70	125	Not applicable
3	85	150	Not applicable
4	70	125	Applicable
5	85	150	Applicable
X	As specified	As specified	As specified

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3. Applicable only to linear function resistors. "

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3.15, delete and substitute:

"3.15 Taps (when applicable). When resistors are tested as specified in 4.6.11, taps shall be located as specified (see 3.1, Table II, 6.1, and Appendix A). "

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TABLE VI, fifth column, under "RR1000" add "4000". Sixth column, under "RR2100" add "4100".

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4.4.4, delete and substitute:

"4.4.4 Retention of qualification. Every six months, the manufacturer shall compile a summary of the results of quality conformance inspections in the form of a retention of qualification report, and forward it to the qualifying activity within 30 days from the end of the reporting period as the basis of continued qualification approval. In addition, the manufacturer shall immediately notify the qualifying activity whenever the Group B inspection data indicates failure of the qualified product to meet the requirements of this specification. Continuation shall be based on the evidence that over the six-month period, the following has been met:

- (a) The manufacturer has not modified the design of the item.
- (b) The specification requirements for the item have not been amended so far as to affect the character of the item.
- (c) Lot rejection for Group A inspection does not exceed the AQL of

Table VIII.

- (d) The requirements for Group B inspection are met.

When Group B requirements were not met and the manufacturer has taken corrective action satisfactory to the government, Group B retesting shall be instituted. A summary of the retesting shall be forwarded to the qualifying activity within 30 days after completion of the retest. All reports are to be certified by a responsible company official and the government inspector. "

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TABLE XV, third column, after "1 inch round" add "Servo and Bushing".

Custodians:  
Army - ER  
Navy - EC  
Air Force - 11

Preparing activity:  
Army - ER

Agent:  
DLA - ES

Review activities:  
Army - AR, MI, EA  
Navy - AS, OS  
Air Force - 17, 99  
DLA - ES

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User activities:  
Army - AT, AV, ME  
Navy - CG, MC  
Air Force - 19