

MIL-D-23973(SHIPS)  
AMENDMENT - 3  
30 June 1966  
SUPERSEDING!  
Amendment - 2  
12 May 1966

MILITARY SPECIFICATION

DUMMY LOAD, ELECTRICAL, 600 WATTS

D.C. TO 3000 MC.

This amendment forms a part of Military Specification MIL-D-23973 (SHIPS), 17 February 1964.

Page 1, paragraph 2.1: Under "MILITARY SPECIFICATIONS", delete reference to "MIL-R-22732".

Page 2, paragraph 3.7: Delete "17 pounds" and substitute "25 pounds".

Page 2, paragraph 3.8, last line: Delete "8-1/2" and substitute "9".

Page 2, paragraph 3.13: Delete and substitute:

"3.13 Operating position.- The dummy load shall be designed to operate in a normally horizontal position."

Page 2, paragraph 3.14, last sentence: Delete and substitute "R. F. power of 600 watts at 400 mc. shall be connected to the load during this measurement."

Pages 2 and 3, paragraphs 3.17 through 3.17.4: Delete in its entirety.

Page 3, paragraph 4.3, last sentence: Delete "4.3.1.1 through 4.3.1.2.1" and substitute "4.3.1 through 4.3.2.1".

1/ CHANGES FROM PREVIOUS ISSUE. THE OUTSIDE MARGINS OF THIS DOCUMENT HAVE BEEN MARKED "#" TO INDICATE WHERE CHANGES (DELETIONS, ADDITIONS, ETC.) FROM THE PREVIOUS ISSUE HAVE BEEN MADE. THIS HAS BEEN DONE AS A CONVENIENCE ONLY AND THE GOVERNMENT ASSUMES NO LIABILITY WHATSOEVER FOR ANY INACCURACIES IN THESE NOTATIONS. BIDDERS AND CONTRACTORS ARE CAUTIONED TO EVALUATE THE REQUIREMENTS OF THIS DOCUMENT BASED ON THE ENTIRE CONTENT AS WRITTEN IRRESPECTIVE OF THE MARGINAL NOTATIONS AND RELATIONSHIP TO THE LAST PREVIOUS ISSUE.

FSC 5985

Page 3, paragraph 4.3.1: Delete and substitute:

"4.3.1 One hundred percent power dissipation (600 watts).- The equipment shall be operated in a normal room temperature ( $\pm 23^{\circ}\text{C}.$ ) with 600 watts input using 60 cycle a.c. power for a period of 10 hours. The unit shall also be operated over the temperature range of  $-54^{\circ}\text{C}.$  to  $+65^{\circ}\text{C}.$  with 600 watts input using 60 cycle a.c. power. If more convenient to the supplier, a higher power than specified may be used wherever power is specified herein."

Page 3, paragraph 4.3.1.1, last sentence: Delete and substitute: "VSWR measurements shall be made immediately after the power is removed and before the temperature of the load drops more than  $2^{\circ}\text{C}.$  below the equilibrium temperature recorded during the 10 hours operation period of 4.3.1."

Page 3, paragraph 4.3.2, last line: Delete "400 mc." and substitute "60-cycle, power".

Page 3, paragraph 4.4.1.1, last line: Delete "400 mc." and substitute "60 cycle a.c. power".

Page 3, paragraph 4.4.1.2, last sentence: Delete.

Pages 3 and 4, paragraph 4.4.2, item (a): Delete.

Pages 3 and 4, paragraph 4.4.2, item (c): Delete and substitute:

"(c) VSWR tests of 4.3.2.1 shall be performed after the equipment has been operated with 600 watts input for 1 hour at 60-cycle, a.c. power. VSWR tests of 4.3.2.1 shall also be performed after the equipment has been operated with 900 watts input for 1/4 hour at 60-cycle, a.c. power."

Page 4, paragraph 4.4.3: Delete and substitute:

"4.4.3 Environmental tests.- Environmental tests shall be in accordance with MIL-E-16400, except that accelerated life test need not be performed.

# Radio interference test shall be performed as specified in 3.14 on one out of the first 40 production units and one out of each 100 production units thereafter. During environmental testing of temperature and humidity, the equipment shall be operated with 600 watts input. During shock and vibration testing, the equipment shall be checked for VSWR accuracy at 50, 1000, and 3000 mc. after each vibration cycle, and 50, 100, and 3000 mc. after each shock blow. "

Page 4, paragraph 4.5, item (e), line 7: Delete "bureau" and substitute "Command".

Preparing activity:  
Navy - SH  
(Project 5985- N270Sh)