

MILITARY SPECIFICATION  
OSCILLATOR: HIGH VOLTAGE

This amendment forms a part of MIL-O-52374C, dated 11 April 1975, and is approved for use by all Departments and Agencies of the Department of Defense.

PAGE 1

2. APPLICABLE DOCUMENTS, delete and substitute:

"2. APPLICABLE DOCUMENTS

2.1 General. The documents listed in this section are specified in sections 3 and 4 of this specification. This section does not include documents cited in other sections of this specification or recommended for additional information or as examples. While every effort has been made to ensure the completeness of this list, document users are cautioned that they must meet all specified requirements documents cited in sections 3 and 4 of this specification, whether or not they are listed.

2.2 Government documents.

2.2.1 Specifications, standards, and handbooks. The following specifications, standards, and handbooks form a part of this document to the extent specified herein. Unless otherwise specified, the issues of these documents are those listed in the issue of the Department of Defense Index of Specifications and Standards (DoDISS) and supplement thereto, cited in the solicitation (see 6.2).

FEDERAL

DEPARTMENT OF DEFENSE

MIL-PRF-1/1049	Electron Tube, Image Converter, Type 6914
MIL-B-18/253	Battery, Dry, BA-1100/U
MIL-PRF-27	Transformers and Inductors (Audio, Power, and High-Power Pulse), General Specification for
MIL-PRF-19500	Semiconductor Devices, General Specification for
MIL-PRF-23586	Sealing Compound (with Accelerator), Silicone Rubber, Electrical
MIL-PRF-39003	Capacitors, Fixed, Electrolytic (Solid Electrolyte), Tantalum, Established Reliability, General Specification for
MIL-PRF-39014	Capacitor, Fixed, Ceramic Dielectric (General Purpose), Established Reliability and Non-Established Reliability, General Specification for
MIL-PRF-39017	Resistors, Fixed, Film (insulated), Established Reliability, and Nonestablished Reliability, General Specification for

MIL-O-52374C  
AMENDMENT 1

STANDARDS

DEPARTMENT OF DEFENSE

MIL-STD-130	Identification Marking of U. S. Military Property
MIL-STD-202	Test Methods for Electronic and Electrical Component Parts
MIL-STD-1916	DoD Preferred Methods for Acceptance of Product.

HANDBOOKS

DEPARTMENT OF DEFENSE

MIL-HDBK-781	Reliability Test Methods, Plans, and Environments for Engineering Development, Qualification, and Production.
--------------	---------------------------------------------------------------------------------------------------------------

(Unless otherwise indicated, copies of the above specifications, standards, and handbooks are available from the Defense Automation and Product Service, Building 4D (DPM-DODSSP), 700 Robbins Avenue, Philadelphia, PA 19111-5094.)

2.3 Non-Government publications. The following document(s) form a part of this document to the extent specified herein. Unless otherwise specified, the issues of the documents which are DoD adopted are those listed in the issue of the DODISS cited in the solicitation. Unless otherwise specified, the issues of documents not listed in the DODISS are the issues of the documents cited in the solicitation (see 6.2).

SOCIETY OF AUTOMOTIVE ENGINEERS

SAE-AMS-QQ-N-290	Nickel Plating (Electrodeposited)
------------------	-----------------------------------

(Application for copies should be addressed to the Society of Automotive Engineers, 400 Commonwealth Drive, Warrendale, PA 15096-0001).

2.4 Order of precedence. In the event of a conflict between the text of this document and the references cited herein, the text of this document takes precedence. Nothing in this document, however, supersedes applicable laws and regulations unless a specific exemption has been obtained."

PAGE 3

3.2 Preproduction model, delete and substitute:

"3.2 First article. Unless otherwise specified in the contract or purchase order, a sample shall be subjected to first article inspection (see 4.3 and 6.2.1)."

3.3 Initial production, delete.

3.4.1 Insulating material, delete "MIL-S-23586" and substitute "MIL-PRF-23586".

3.4.2 Housing material, delete "QQ-N-290" and substitute "SAE-AMS-QQ-N-290".

3.4.3.1 Resistors, delete "MIL-R-11" and substitute "MIL-PRF-39017 or equivalent resistors which meet the requirements of this specification".

3.4.3.2 Capacitors, delete "MIL-C-39003" and "MIL-C-39014" and substitute "MIL-PRF-39003" and MIL-PRF-39014" respectively.

3.4.3.3 Semiconductors, delete "MIL-S-19500" and substitute "MIL-PRF-19500".

3.4.3.4 Transformers, delete "MIL-T-27" and substitute "MIL-PRF-27".

MIL-O-52374C  
AMENDMENT 1

Add as new paragraph:

“3.4.4 Recycled, recovered, or environmentally preferable materials. Recycled, recovered, or environmentally preferable materials should be used to the maximum extent possible provided that the material meets or exceeds the operational and maintenance requirements, and promotes economically advantageous life cycle costs.”

PAGE 6

4.2 Classification of inspection, delete and substitute:

“4.2 Classification of inspection. Inspection shall be classified as follows:

- a. First article inspection (see 4.3).
- b. Quality conformance inspection (see 4.5).”

4.3 Preproduction inspection, delete and substitute:

“4.3 First article inspection. First article inspection shall be performed on sample units which have been produced with equipment and procedures normally used in production. The manufacturer shall provide verification to the procuring activity that the first article inspection has been performed on the samples supplied to the requirements of this specification.

4.3.1 Sample size. Ten oscillators, high voltage, shall be subjected to first article inspection.

4.3.2 Inspection routine. The samples shall be subjected to the inspections as specified in table II and table III.”

4.3.3 Failure. One or more failures of first article examination or tests shall be cause for rejection.”

PAGE 7

TABLE II, delete “MAJOR”, “MINOR”, “101.”, “102.”, “201.”, “202.”, and “203.”, leaving text and requirement paragraph numbers unchanged.

4.4 Initial production, delete.

PAGE 8

4.5.1 Inspection lot, delete “MIL-STD-105” and substitute “MIL-STD-1916”.

4.5.2 Sampling, delete and substitute:

“4.5.2 Sampling. Samples shall be selected in accordance with MIL-STD-1916. Verification Level (VL) shall be II (VL = II).”

4.5.4.2 Group “B” samples, delete last sentence.

PAGE 10

4.6.1 Test conditions, delete 4.6.1a and substitute:

“4.6.1a. The oscillator shall be connected to the test circuit as shown in figure 4. Note that a 6914 Image Converter Tube conforming to MIL-PRF-1/1049 shall be used.”

PAGE 11

4.6.5 Shock, delete “Method 202” and substitute Test Condition C, Method 213”.

PAGE 13

4.6.12 Mean time between failure, first paragraph, delete “preproduction” and substitute “first article”. Second paragraph, delete fifth sentence and substitute “It is recommended that MIL-HDBK-781, Test Plan IV-D be used as guidance in accomplishing this test”.

MIL-O-52374C  
AMENDMENT 1

4.7 Inspection comparison, delete.

4.8 Inspection of preparation for delivery, delete.

PAGE 14

5. PREPARATION FOR DELIVERY, delete and substitute:

“5. PACKAGING

5.1 Packaging. For acquisition purposes, the packaging requirements shall be as specified in the contract or order (see 6.2). When actual packaging of materiel is to be performed by DoD personnel, these personnel need to contact the responsible packaging activity to ascertain requisite packaging requirements. Packaging requirements are maintained by the Inventory Control Point’s packaging activity within the Military Department or Defense Agency, or within the Military Department’s System Command. Packaging data retrieval is available from the managing Military Department’s or Defense Agency’s automated packaging files, CD-ROM products, or by contacting the responsible packaging activity.”

PAGE 15

6.2 Ordering data, delete and substitute:

“6.2. Acquisition requirements. Acquisition documents should specify the following:

- a. Title, number and date of this specification.
- b. Issue of DoDISS to be cited in the solicitation, and if required, the specific issue of individual documents referenced (see 2.2).
- c. Packaging requirements (see 5.1).
- d. If special or other identification marking is required(see 3.17).”

PAGE 16

Add as new paragraph:

“6.4 First article inspection. Invitations for bids should provide that the Government reserves the right to waive the requirement for samples for first article inspections as to those bidders offering a product which has been previously acquired or tested by the Government, and that bidders offering such products, who wish to rely on such production or test, must furnish evidence with the bid that prior Government approval is presently appropriate for the pending contract.”

PAGE 20

FIGURE 4, Oscillator test circuit, delete “6914 Image Converter Tube conforming to MIL-E-1/1049” and substitute “6914 Image Converter Tube conforming to MIL-PRF-1/1049”.

Custodians:  
Army - CR  
Navy - OS  
DLA - CC

Preparing activity:  
DLA - CC  
  
(Project 5855-0227)