

Military and Defense Standards for RF Components and Circuits

Types of U.S. Military Standards

MIL-HDBK: Handbook containing guidance and information on materials, design, and processes.

MIL-SPEC: Specification of technical requirements for purchased material or products.

MIL-STD: Standard for processes and procedures.

MIL-PRF: Performance specification that states required results without dictating the methods to achieve them.

MIL-DTL: Detail specification on how a requirement is to be achieved.

Applicable Defense Standards for RF Components and Circuits

MIL-PRF-19500: Performance specification for semiconductor devices

MIL-PRF-39012: Performance specification for coaxial connectors

MIL-DTL-39030: Detailed specification for terminations (electrical, coaxial, stripline)

MIL-DTL-3933: Detailed specification for attenuators, fixed

MIL-PRF-38534: General specification for hybrid microcircuits

MIL-STD-202: Test methods for electronic and electrical component parts

MIL-STD-461: Control of EMI characteristics

MIL-STD-750: Test Methods for Semiconductor Devices

MIL-STD-810: Environmental Engineering Considerations and Laboratory Tests

MIL-STD-883: Test Methods for Microcircuits

MIL-STD-2073: Standard Practice for Military Packaging

MIL-HDBK-217: Reliability prediction of electronic equipment

MIL-HDBK-454: Standard requirements for electronic equipment

IPC/EIA J-STD-001: Standard requirements for soldering

Copies of many additional standards are available at www.dsccl.dla.mil/Programs/MilSpec/

Also refer to the [Master Qualified Parts List \(QPL\)](#) of all specifications for which the Defense Logistics Agency Land and Maritime-VQ maintains qualification data.

Compliance to Regulations, Classifications and Required Documentation

In order to supply components (including “dual-use items”) and sub-systems to the defense industry, certain licensing and documentation may be required. Richardson RFPD is committed to comply fully with all laws and regulations governing the export of its products, services and technical data. To that end, all goods moved across national borders are handled in accordance with the applicable laws of the exporting and importing countries.

The export or re-export of Richardson RFPD products, and the transfer of any related technologies, is subject to export laws and regulations globally, but primarily the Export Administration Regulations (EAR) and the International Traffic in Arms Regulations (ITAR) of the United States. Richardson RFPD is an ITAR-registered supplier.

You can find more information about these laws and regulations at the following websites:

[Directorate of Defense Trade Controls](#)

[View additional information about ITAR](#)

[View additional information about EAR](#)

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Links to Common Military STD's & HBK's for Electronic Components

- [MIL-PRF-19500 \(PDF – 4MB\)](#)
 - [Performance Specification: Semiconductor Devices](#)
- [MIL-PRF-39012 \(PDF – 863KB\)](#)
 - [Performance Specification: Connectors, Coaxial, Radio Frequency](#)
- [MIL-DTL-39030 \(PDF – 163KB\)](#)
 - [Detail Specification: Dummy Loads \(Terminations\) - Electrical, Coaxial, Stripline](#)
- [MIL-DTL-3933 \(PDF – 311KB\)](#)
 - [Detail Specification: Attenuators, Fixed](#)
- [MIL-STD-105 \(PDF - 2.5MB\)](#)
 - [Sampling Procedures and Tables for Inspection by Attributes](#)
- [MIL-HDBK-108 \(PDF - 6MB\)](#)
 - [Sampling Procedures and Tables for Life and Reliability Testing \(Based on Exponential Distribution\)](#)
- [MIL-STD-202G \(PDF 1.5MB\)](#)
 - [Test Method Standard: Electronic and Electrical Component Parts](#)
- [MIL-HDBK-217F \(PDF - 14MB\)](#)
 - [Reliability Prediction of Electronic Equipment- Notice F](#)
- [MIL-HDBK-344A \(PDF - 4.5MB\)](#)
 - [Environmental Stress Screening \(ESS\) of Electronic Equipment - Revision A](#)
- [MIL-STD-781D \(PDF - 1.5MB\)](#)
 - [Reliability Testing for Engineering Development, Qualification and Production - Revision D](#)
- [MIL-STD-750E](#)
 - [Department of Defense Test Method Standard: Test Methods for Semiconductor Devices](#)
- [MIL-STD-810G \(PDF – 23.9MB\)](#)
 - [Environmental Engineering Considerations and Laboratory Tests - Revision G](#)
- [MIL-STD-883G \(PDF – 7.9MB\)](#)
 - [Department of Defense Test Method Standard: Microcircuits](#)

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