



MIL-PRF-39003

MILITARY SPECIFICATION PROGRAM

Capacitors, Fixed, Electrolytic (Solid Electrolyte), Tantalum, Established Reliability

- **Program Scope** : The MIL-PRF-39003 specification program establishes requirements for performance of fixed tantalum electrolytic capacitors that are used in the most critical and demanding military environments. MIL-PRF-39003 and its seven specification sheets are the result of a DSCC, military services, and industry requirements determination process. DSCC-VA (Document Standardization Unit) is the DoD preparing activity tasked with the responsibility for this program.

- **Military Service Involvement**: This program involves the following military standardization departments:

Air Force: Space & Missile Command
 Air Force Materiel Command Logistics Support Office
 Aeronautical Systems Center

Army: Communications-Electronics Command
 US Army Tank-Automotive Command
 Aviation Missile Command

Navy: Space & Naval Warfare System Command
 Naval Air Systems Command
 Naval Surface Warfare Center

Marines US Marine Corps

NASA National Aeronautics & Space Administration
 Goddard Space Flight Center

- **DSCC's Spare Parts Mission**: DSCC provides spare parts bought to the requirements of MIL-PRF-39003 to our military customers for use in maintaining military critical weapons systems. Over the last 8 quarters, this program generated the following metrics:

(1) # of National Stock Numbers (NSNs):	2,199
(2) # of Demands:	119,741
(3) \$\$ Sales Dollars:	\$1,000,446.09

• **Weapons Systems Impacted:** MIL-PRF-39003 are widely used by all three military services in critical military weapons systems. For, example, the following MIL-PRF-39003 capacitor and its associated NSN has the following impact:

- (1) Part Number: **M390003/09-4064**
- (2) Spec Number: **MIL-PRF-39003/09**
- (3) NSN: **5910-01-237-7293**
- (4) Demands: **6,669**
- (5) \$\$ Sales: **\$186,913.27**
- (6) Weapons Systems Impacted: 89 Total; 8 Army, 46 Navy, 27 Air Force, 8 Marines.
- (7) Examples of Weapons Systems Impacted include:

- Army: **Abrams M1; AH-64 Apache**
- Navy: **F-14 Tomcat; A-6E Intruder; Nimitz Class CVN; Arleigh Burke Class DDG; Los Angeles Class SSN**
- Air Force: **A10 Thunderbolt; B1B Lancer; C130 Hercules; F15 Eagle; F16 Fighting Falcon**
- Marines: **M1A1 120MM Abrams; LAV Antitank Vehicle**



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