

REVISIONS			
LTR	DESCRIPTION	DATE	APPROVED
A	Added suggested sources of supply.	11 May 88	D. Moore
B	Added suggested source of supply and made corrections.	27 Feb 90	D. Moore
C	Added and deleted suggested sources of supply. Modified manufacturer's PINs. Changes to 3.2.6 and 6.1. Editorial changes throughout.	28 Feb 94	D. Moore
D	Changes in accordance with NOR 5910-R009-96	23 May 96	A. Ernst
E	Revised sources of supply, made editorial changes, and converted references to MIL-PRF-49467.	5 April 99	J. Crum
F	Moved solderability testing from group A to group B. Updated suggested sources of supply.	10 April 00	Kendall A. Cottongim
G	Removed suggested source of supply. Added note 4 to figure 1. Added capacitor tolerance note to 3.2.8.	16 January 01	Kendall A. Cottongim
H	Added suggested source of supply. Changed Johanson Dielectrics CAGE code.	12 September 01	Kendall A. Cottongim
J	Updated name and address of vendor C.	4 November 02	Kendall A. Cottongim
K	Added Johanson Dielectrics as a suggested source of supply.	18 August 2004	Kendall A. Cottongim
L	Revised part numbers for vendors A and C. Removed vendor H. Updated address for vendor E.	21 December 2006	Michael A. Radecki
M	Added CalRamic Technologies as a suggested source of supply.	19 April 2007	Michael A. Radecki

CURRENT DESIGN ACTIVITY CAGE CODE 037Z3
 DEFENSE LOGISTICS AGENCY
 DEFENSE SUPPLY CENTER COLUMBUS
 COLUMBUS, OHIO 43218-3990

Prepared in accordance with [ASME Y14.100](#)

Selected item drawing

REV STATUS OF PAGES	REV	M	M	M	M	M	M	M	M	M									
	PAGES	1	2	3	4	5	6	7	8	9									
PMIC N/A	PREPARED BY ROBERT E. GRILLOT							DEFENSE ELECTRONIC SUPPLY CENTER DAYTON, OH											
Original date of drawing 23 June 1987	CHECKED BY HERALDINE JOHNSON							TITLE CAPACITORS, CERAMIC, MULTILAYER, HIGH VOLTAGE, CG, 5,000 V DC											
	APPROVED BY DAVID E. MOORE																		
	SIZE A	CODE IDENT. NO. 14933							DWG NO. 87077										
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1. SCOPE

1.1 Scope. This drawing and [MIL-PRF-49467](#) describe the complete requirements for high voltage multilayer ceramic capacitors.

1.2 Part or Identifying Number (PIN). The complete PIN shall be as follows:



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 of 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 cited in the solicitation or contract.

DEPARTMENT OF DEFENSE SPECIFICATIONS

[MIL-PRF-49467](#) - Capacitor, Fixed, Ceramic, Multilayer, High Voltage (General Purpose), Established Reliability, General Specification for.

DEPARTMENT OF DEFENSE STANDARDS

[MIL-STD-202](#) - Test Methods Standard Electronics and Electrical Component Parts.
[MIL-STD-1285](#) - Marking of Electrical and Electronic Parts.

(Copies of these documents are available online at <http://assist.daps.dla.mil/quicksearch/> or <http://www.assist.daps.dla.mil/> or from the Standardization Document Order Desk, 700 Robbins Avenue, Building 4D, Philadelphia, PA 19111-5094.)

2.3 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.

3. REQUIREMENTS

3.1 Interface and physical dimensions. The interface and physical dimensions shall be as specified in [MIL-PRF-49467](#) and herein (see [figure 1](#)).

3.1.1 Leads. Leads shall be solder coated. Tin plating is prohibited as a final finish or as an undercoat. Tin-lead (Sn-Pb) finishes are acceptable provided that the minimum lead content is 3 percent.

3.1.2 Case. Epoxy, conformally coated.

3.1.3 Operating temperature range. The operating temperature range shall be -55°C to +125°C.

3.2 Electrical characteristics.

3.2.1 Rated voltage. The rated voltage shall be 5,000 volts dc.

3.2.2 Dielectric type. CG.

DEFENSE ELECTRONIC SUPPLY CENTER	SIZE	CODE IDENT NO.	DWG NO.
DAYTON, OHIO	A	14933	87077
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