

EIA-535ACAA

DETAIL SPECIFICATION

Fixed Tantalum Capacitors With Non-Solid Electrolyte And Foil Electrode

EIA-535ACAA

MAY 1987

ELECTRONIC INDUSTRIES ASSOCIATION
ENGINEERING DEPARTMENT



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QC 900 203/US0001

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

*Quality Assessment System
for Electronic Components*

IECQ

Detail Specification for use in electronic equipment:

Fixed Tantalum Capacitors with Non-Solid Electrolyte
and Foil Electrode

Originator:

ECCB
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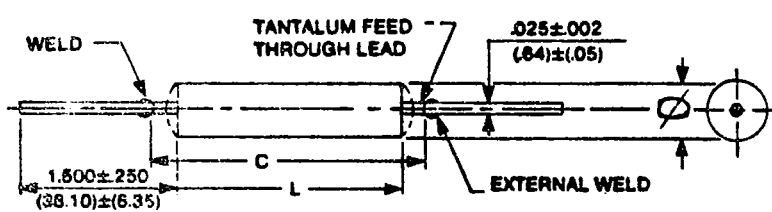
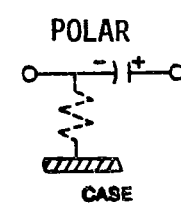
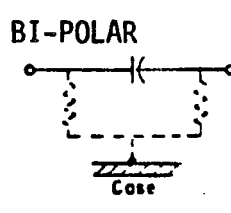
2001 Eye Street, N.W.
Washington, D.C. 20006
USA

**FIXED TANTALUM CAPACITORS WITH NON-SOLID
ELECTROLYTE AND FOIL ELECTRODE**

This Standard represents US adoption of International Electrotechnical Commission Quality Assessment Systems (IECQ) Detail Specification QC300203/US0001, February 1984. It is issued as an EIA document to provide a Specification in the National Electronic Components Quality Assessment System (NECQ).

IEC documents referenced in this Detail Specification (e.g. QC 300000) may be obtained from the American National Standards Institute, 1430 Broadway, New York, New York 10018. EIA numbers are assigned to these IEC documents for reference purposes and to facilitate later publication of equivalent EIA documents.



National Standards Organization ELECTRONIC INDUSTRIES ASSOCIATION	Detail Specification Number QC300203/US0001 (IEC 384-15-1A-XXX) (EIA-535ACAA)
Generic Specification Number Electronic components of assessed quality in accordance with (QC 300000) (IEC 384-1) (EIA-5350000)	Blank Detail Specification Number QC300203 (IEC 384-15-1A) (EIA-535AC00)
Outline Drawing (SEE TABLE I) (THIRD ANGLE PROJECTION) 	Product Description FIXED TANTALUM CAPACITORS WITH NON-SOLID ELECTROLYTE AND FOIL ELECTRODE Electrical Circuit POLAR  BI-POLAR  Typical Construction HERMETICALLY SEALED, AXIAL LEAD, POLAR AND BI-POLAR PLAIN FOIL Application/Assessment Level PREMIUM QUALITY, HIGH RELIABILITY DESIGN FOR THE MOST DEMANDING APPLICATIONS. ASSESSMENT LEVEL: E PERFORMANCE GRADE: LONG LIFE

Information on the availability of components
qualified to this specification is given in
the Qualified Products List.



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1. GENERAL DATA

1.1 RECOMMENDED METHODS OF MOUNTING

- a. By leads in absence of vibration or shock.
- b. By body clamp and leads if vibration or shock can exist.

1.2 DIMENSIONS

TABLE 1

Dimensions- mm (inches)					
CASE CODE	Basic Case		Insulated Case		
	L ^{1/}	Ø	Ø	C	
	+1.60 (.062)	+0.40 (.016)	Max	Max	
A	17.50 (.688)	4.80 (1.88)	5.60 (.219)	30.20	(1.188)
B	23.00 (.969)	7.15 (.281)	7.90 (.312)	37.30	(1.469)
C	36.55 (1.438)	9.55 (.375)	10.30 (.406)	49.25	(1.938)
D	54.00 (2.125)	9.55 (.375)	10.30 (.406)	66.70	(2.625)
E	69.85 (2.750)	9.55 (.375)	10.30 (.406)	82.55	(3.250)

1/ Length of basic case; Shrink-Fitted insulation shall lap over the ends of the capacitor body.

Notes:

1. The weld shall not be enclosed in the end seal.

1.3 RATINGS AND CHARACTERISTICS

Capacitance range See Table II
 Tolerance on rated capacitance See Table II
 Rated voltage See Table II
 Upper category voltage See Table II
 Climatic category 55/125/56
 Rated temperature -55 to +125°C
 Variation of Capacitance with temperature See Table II
 Tangent of loss angle See Table II
 Leakage current See Table II
 Impedance See Table II
 Reverse voltage (polar capacitors only) 3 VDC
 Vibration severity 20g
 Bump severity Not applicable
 Shock severity 100g

