

DETAIL SPECIFICATION

Fixed Tantalum Capacitors With Non-Solid Electrolyte And Porous Anode

EIA-535ABAC

MAY 1987

ELECTRONIC INDUSTRIES ASSOCIATION
ENGINEERING DEPARTMENT



EIA-535ABAC

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QC300202/US0003

January 1984

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
Porous Anode

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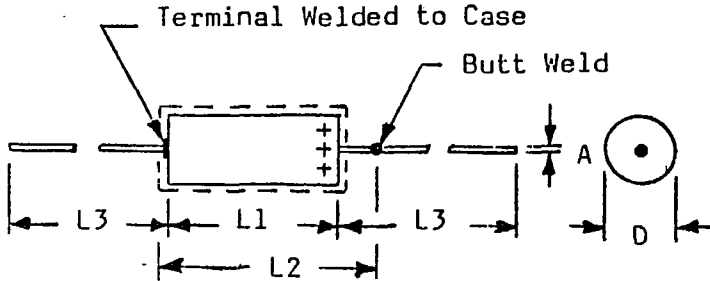
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**FIXED TANTALUM CAPACITORS WITH NON-SOLID
ELECTROLYTE AND POROUS ANODE**

This Standard represents US adoption of International Electrotechnical Commission Quality Assessment Systems (IECQ) Detail Specification QC300202/US0003, January 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 QC300202/US0003 (EIA-535ABAC)
Generic Specification Number Electronic components of assessed quality in accordance with QC300000 (EIA-5350000)	Blank Detail Specification Number QC300202 (EIA-535AB00)
Outline Drawing (See Table I) (Third Angle Projection)  (Other shapes are permitted within the dimensions given)	Product Description Fixed Tantalum Capacitors with Non-Solid Electrolyte and Porouse Anode with Lead Electrical Circuit Typical Construction Silver Case, Axial Lead, Hermetically Sealed, Polarized, Insulated Application/Assessment Level 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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PART ONE - GENERAL DATA

1. GENERAL DATA

1.1 RECOMMENDED METHODS OF MOUNTING

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

1.2 DIMENSIONS

TABLE I

CASE SIZE REFERENCE	DIMENSIONS				
	D (MAX)	L1 (MAX)	L2 (MAX)	L3 ± 6.35	A $\pm .025$
A	5.56	12.30	21.00	38.10	0.64
B	7.92	17.07	25.80	57.15	0.64
C	10.31	20.25	29.00	57.15	0.64
D	10.31	27.76	36.50	57.15	0.64

1.3 RATINGS AND CHARACTERISTICS

Capacitance range	(See Table II)
Tolerance on rated capacitance	$\pm 5\%$, $\pm 10\%$, $\pm 20\%$
Rated voltage	(See Table II)
Category voltage (if applicable)	(See Table II)
Climatic category	55/125/21
Rated temperature	$+85^{\circ}\text{C}$
Variation of capacitance with temperature	(See Table II)
Tangent of loss angle	(See Table II)
Leakage current	(See Table II)
Impedance (if applicable)	(See Table II)
Reverse voltage	0 (No reversal of voltage permitted)



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