

EIA-535BAAA

DETAIL SPECIFICATION

Fixed Tantalum Chip Capacitor
Style 1 Protected-Standard
Capacitance Range

EIA-535BAAA

MAY 1987

ELECTRONIC INDUSTRIES ASSOCIATION
ENGINEERING DEPARTMENT



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(As Amended October
1986)

INTERNATIONAL ELECTROTECHNICAL COMMISSION

*Quality Assessment System
for Electronic Components*

IECQ

Fixed Capacitors for use in electronic equipment:

Detail Specification. Fixed Tantalum Chip Capacitor
Style 1 Protected - Standard
Capacitance Range

Originator:

ECCB
**THE ELECTRONIC COMPONENTS
CERTIFICATION BOARD, INC.**

The U.S. National Authorized Institution
for the IEC

QUALITY ASSESSMENT SYSTEM
FOR ELECTRONIC COMPONENTS

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

**FIXED TANTALUM CHIP CAPACITOR STYLE 1 PROTECTED
STANDARD CAPACITANCE RANGE**

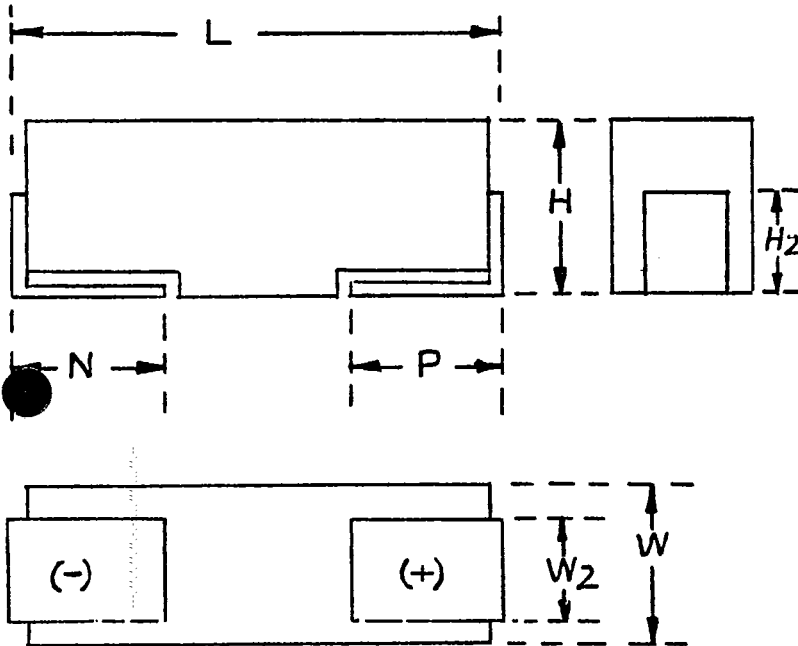
This Standard represents US adoption of International Electrotechnical Commission Quality Assessment Systems (IECQ) Detail Specification QC300801/US0001, October 1986. It is issued as an EIA document to provide a Specification in the National Electronic Components Quality Assessment System (NECQ).

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.

ELECTRONIC INDUSTRIES ASSOCIATION

Electronic Components of Assessed
Quality in Accordance With:
QC300000 (IEC384-1) (EIA-5350000)

Outline Drawing: (See Table I)
(Third Angle Projection)



(Other shapes permitted within
the dimensions given)

QC300801/US0001

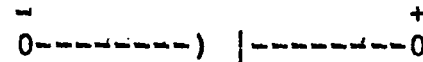
(EIA-535BAAA)

QC300801 (EIA-535BA00)

Fixed Tantalum Chip Capacitor
Style 1 Protected - Standard
Capacitance Range

Polar, Non-Hermetically Sealed
Chip Capacitor with Solid
Electrolyte and Porous Tantalum
Anode

Electrical Circuit



Assessment Level: E

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



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PART ONE - GENERAL DATA

1.0 GENERAL DATA1.1 RECOMMENDED METHOD(S) OF MOUNTING

These components can be attached to glass epoxy or alumina substrates by conventional techniques such as vapor-phase or wave soldering and hot plate methods. In general attachment with a soldering iron is not recommended due to the difficulty of consistently controlling temperature and time at temperature.

1.2 DIMENSIONS:

TABLE IA

Dimensions of Standard Range Tantalum Chip Capacitors

Case	L	W	H	N	P	W2	H2
3216	3.2+, -.2	1.6+, -.2	1.8 max.	0.8+, -.3	0.8+, -.3	1.2+, -.1	.7 min.
3528	3.5+, -.2	2.8+, -.2	2.1 max.	0.8+, -.3	0.8+, -.3	2.2+, -.1	.7 min.
6032	6.0+, -.3	3.2+, -.3	2.8 max.	1.3+, -.3	1.3+, -.3	2.2+, -.1	1.0 min.
7343	7.3+, -.3	4.3+, -.3	3.1 max.	1.3+, -.3	1.3+, -.3	2.4+, -.1	1.0 min.

All Dimensions mm

Note 1: W2 = Termination Widths
H2 = Termination Heights

Note 2: A notch in the anode and/or cathode side metalization is at the option of the component manufacturer.

Note 3: The termination width metalization applies only to the portion of the termination where contact is made to the PWB. The terminations may neck down on the height dimension to the termination width (W2) at the mounting level on the PWB.

TABLE IB

Nominal Dimensions in Inches (for Reference Only)

Case	L	W	H	N	P	W2	H2
3216	.126	.063	.071	.031	.031	.047	.028
3528	.138	.110	.083	.031	.031	.087	.028
6032	.236	.126	.110	.051	.051	.087	.039
7343	.287	.169	.122	.051	.051	.094	.039