



Minutes of P-2.2 Committee on Aluminum, Film and Mica Capacitors

Monday, September 25, 2006 Silver Legacy Resort Casino Reno, NV

P-2.2 Committee's Scope:

Aluminum electrolytic, paper, film, and mica capacitors for all AC and DC applications, except inductive heating and utility power-factor correction.

Attendees:

<u>NAME</u>	<u>COMPANY</u>
Terry Charles	Panasonic
Mike Lauri	IBM
Carl Lindquist	San-O Industrial Corp.
Laird Macomber	Cornell Dubilier
Len Metzger	Panasonic

<u>Member Organizations</u> <u>Present</u>	<u>Present</u> <u>Reno</u>	<u>Present Ft</u> <u>Lauderdale</u>	<u>Present</u> <u>Memphis</u>
Cornell Dubilier	Y	Y	Y
IBM	Y	Y	Y
Panasonic	Y	N	Y

<u>Member Organizations</u> <u>Absent</u>	<u>Present</u> <u>Reno</u>	<u>Present Ft</u> <u>Lauderdale</u>	<u>Present</u> <u>Memphis</u>
AVX	N	N	Y
KEMET	N	Y	Y

<u>Other Organizations Present</u>
EIA/ECA

1.0 Introductions

Chairman Laird Macomber called the meeting to order at 11:15am.

2.0 Committee Organization and Procedures

2.1 Membership and Attendance

The roster was circulated and a quorum was present. AVX will be removed from list for lack of attendance.

2.2 Approval of Agenda

The agenda was unanimously approved.

2.3 Approval of April 24, 2006, P-2.2 Subcommittee Meeting Minutes

The minutes were unanimously approved.

2.4 Correspondence

There were no correspondences.

2.5 Review of the Committee's Scope

No change to the scope.

3.0 Reports

3.1 DSCC report

No reports.

4.0 Old Business

4.1 Status of SMT film capacitor specification.

The committee was unable to review the document because Terry forgot to download from his External Drive. The reason the document is located on the external drive is solely due to the Panasonic ISM directive.

4.2 Results of Ballot for PN-4283 (EIA-797), Aluminum Electrolytic Capacitor Application Guideline

Laird requested consultation from Ed Mikoski for guidance concerning how to proceed with moving this document forward. We received 3 approvals and comments from Cliff Zatz, but it is unknown what the comments were. Laird will contact Cliff Zatz to address his comments, but if Chris Zatz does not have nor remember the committee decided that the document will be sent out for re-ballot.

4.3 Results of ballot for PN 4985, Aluminum Electrolytic Chip Capacitor with Polymer Cathode

The ballot from the committee has been approved; Action required is for EIA to be published as an EIA standard.

4.4 Results of ballot for PN 4984 Aluminum Electrolytic Capacitor Qualification Specification

Terry Charles has updated the document based on the minutes (In Section 1.3 delete the reference 57G9271 IBM Preconditioning Specification, and in Table 1, Method 4.8, Thermal Shock we should add asterisks (**) to indicate that three lots minimum are to be tested. This change makes the test method consistent with 4.4, 4.5 4.6 and 4.7).

Terry will send this document to Cecelia. It was unanimously voted on by the committee and should be published as an EIA standard.

4.7 Five-year Review of Documents.

4.7.1 Status archival of these documents:

EIA-376	Fixed Film Dielectric Capacitors in Metallic and Non-Metallic Cases, EIA 71, REAF 11/90
EIA-395	Polarized Aluminum Electrolytic Capacitors, EIA 70, REAF 10/82
EIA-479 A	Film-Paper, Film Dielectric Capacitors for 50/60 Hz Voltage Doubler Power Supplies, EIA 5/93, ANSI 3/93
RS-361	Feed-Through Radio Interference Capacitors, Paper, Film, and Paper/Film Dielectric, EIA 1/69, ANSI 8/69
RS377	Metallized Dielectric Capacitors in Metallic and Non-Metallic, EIA 70, REAF 11/90
RS377-1	Parts List Supplement to RS-377, EIA 70, REAF 02/90

The committee request that EIA confirms that the documents have been archived.

4.7.2 Status of revision of these documents:

EIA/IS-749	Rectified Mains Application Expected Wear-Out Lifetime Test, EIA 1/98
EIA-495-A	Film Dielectric Capacitors with Metallized Paper Electrodes for AC Applications, EIA 1/90, ANSI 11/89 REAF 5/97
EIA580A000	Sectional Specification for Fixed Chip Capacitors with Metallized Electrodes and Polyethylene-Terephthalate Dielectric for Use in Electronic Equipment, EIA 1/92, ANSI 11/91
EIA-580A0AC	Detail Specification for Fixed Metallized Polyethylene Terephthalate Film Dielectric, EIA 6/98
EIA-580A0AC	Detail Specification for Fixed Metallized Polyethylene Terephthalate Film Dielectric DC Capacitors Axial Leaded, EIA 6/98, ANSI 5/98
EIA-580AA00	Blank Detail Specification: Fixed Metallized Polyethylene-Terephthalate Film Chip Capacitors for DC – Encapsulated
EIA-580BA00	Blank Detail Specification: Fixed Metallized Electrode Film Dielectric AC Capacitors, EIA 10/97, ANSI 8/97
EIA-815	Miniature Aluminum Electrolytic Capacitor (Leaded) Qualification Specification, EIA 8/99
RS376	Fixed Film Dielectric Capacitors in Metallic and Non-Metallic Cases for DC Application, EIA 3/76, ANSI 7/71
RS376-1	Parts List Supplement to RS-376, Fixed Film Dielectric Capacitors inn Metallic and Non-Metallic Cases for DC Application, EIA 11/71, ANSI 9/72, EIA REAF 1990
RS401	Paper, Paper/Film, Film Dielectric Capacitors for Power Semiconductor Applications, EIA 3/73
RS454	Fixed Paper & Film-Paper Dielectric Capacitor, EIA 78, REAF 8/90

The committee request that EIA confirms that the documents have been archived.

5.0 New Business

Two issues:

- 1) Counterfeit SMD Lytic
- 2) Awareness of KFI development of Standards. Laird will contact Mark Cohen requesting a member of KFI to participate in the P-2.2 committee for writing standards.

Laird has contacted Mark Cohen and Mark has agreed to be involved with P-2.2

5.1 Review of P-2.2 time-slot and meeting length.

6.0 Next Meeting

The next meeting will be held the week of 16-19 April 2007 at the Holiday Inn San Diego Bayside.

7.0 Adjournment

The meeting was adjourned at approximately at 12:55pm.

This meeting was conducted in accordance with the EIA Legal Guidelines and the Manual of Organization and Procedures.

Laird Macomber

Laird Macomber
Chairman

Terry D. Charles
Acting Secretary