



**Minutes of P-2.2 Subcommittee on  
Aluminum, Film & Mica Capacitors**

Monday, May 16, 2005 Chateau Sonesta Hotel New Orleans, LA

**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:

<b>NAME</b>	<b>COMPANY</b>
Terry Charles	Panasonic
Mike Lauri	IBM
Laird Macomber	Cornell Dubilier
Len Metzger	Panasonic
Ed Mikoski	EIA/ECA
Jason Young	Kemet

<b><u>Member Organizations Present</u></b>	<b><u>Present at this meeting</u></b>	<b><u>Present at previous meeting?</u></b>	<b><u>Present at meeting prior to previous?</u></b>
Cornell Dubilier	Y	Y	Y
IBM	Y	Y	N
Kemet	Y	Y^	n/a
Panasonic	Y	Y	Y

^Indicates activated as member of committee

<b><u>Member Organizations Absent</u></b>	<b><u>Present at This Meeting?</u></b>	<b><u>Present at previous meeting?</u></b>	<b><u>Present at meeting prior to previous?</u></b>
AVX	N	Y	Y
DSCC*	N	N	N
Intel	N	Y^	n/a
Yageo	N	N	Y

\* Indicates not used in determination of quorum due to record of non-attendance

<b>Other Organizations Present</b>
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EIA/ECA
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## **1.0 Introduction**

Chairman Laird Macomber called the meeting to order at 11:00am. There was a round of self-introductions.

## **2.0 Committee Organization and Procedures**

### **2.1 Membership and attendance**

Self-introduction was made and attendance taken. A quorum was present.

### **2.2 Approval of the Agenda**

The agenda was unanimously approved.

### **2.3 Approval of the Minutes**

The minutes were unanimously approved.

### **2.4 Correspondence**

No Correspondence was received.

### **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 Task Group drafting SMT film capacitor specification.**

Plan to use RS-376 Fixed Film Dielectric Capacitors in Metallic and Non-Metallic Cases for DC application as a guide for this SMT spec. A PN will be taken out for both the leaded and SMT versions. Terry Charles is the chairman of this subcommittee. P-2.2 agreed to have quarterly conference calls to expedite completion. Companies to include on the conference calls are AVX, Cornell Dubilier, Kemet, Panasonic, and Vishay.

**Action Item:** Terry to set up conference call with ECA at end of July 05 to review status of these new PN revisions.

#### **4.2 Status of PN-4283 (EIA-797), Aluminum Electrolytic Capacitor Application Guideline.**

Out for ballot now with comments due 6/27/05.

**Action Item:** Laird to get the voting list from Cecelia, and call potential voters to get a quorum.

#### **4.3 Status of PN 4985, Aluminum Electrolytic Chip Capacitor with Polymer Cathode**

Currently out for ballot with comments due 7/05/05

**Action Item:** Laird to get the voting list from Cecelia, and call potential voters to get a quorum.

#### **4.4 Status of PN 4984 Aluminum Electrolytic Capacitor Qualification Specification**

Currently out for ballot with comments due 7/05/05

**Action Item:** Laird to get the voting list from Cecelia, and call potential voters to get a quorum.

#### **4.5 Status of Revision to EIA-463-B, Fixed Aluminum Capacitors for AC Motor Starting**

Completed, issued and approved as ANSI standard 1/17/03.

#### **4.6 Five-year Review of Documents**

Agreed to archive the following:

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

Agreed to revise and reaffirm the following:

EIA/IS-749	Rectified Mains Application Expected Wear-Out Lifetime Test, EIA 1/98
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- 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 in 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

Agreed that IS749 would be affirmed as an EIA ANSI standard.

## **5.0 New Business**

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

recommended 1.5-hour time slot not on top of another meeting if possible, especially Ceramic or Tantalum.

## **6.0 Next Meeting**

Noon to 2 pm with a working lunch, October 17, 2005 at the

Radisson Hotel  
 185 Union Avenue  
 Memphis Tennessee 38103  
 Reservations: (800) 333-3333  
 Telephone: (901) 528-1800

## **7.0 Adjournment**

The meeting was adjourned at approximately at 12:40pm.

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

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Laird Macomber  
Chairman

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Terry D. Charles  
Acting Secretary