



Minutes of P-1 Committee on Resistive Devices

Tuesday 15 April, 2003

Mission Palms Tempe

Tempe, AZ

Scope of the P-1 Committee on Resistive Devices:
All types of resistive components regardless of technology. Includes composition, film, wirewound, thermistors, attenuators, networks, and chip resistors and excluding Integrated Passive Devices.

Attendees:

NAME	COMPANY
Brian Piscitelli	KOA Speer Electronics
Terry Charles	Panasonic
Dave Ritchey	Phycomp USA, Inc./Yageo America
Ted Coler	Vishay
Randy Pinkleman	Vishay
Stephen Olster	Mini-Systems Inc.
Maher Mahmud	IBM
Keith Seamands	Visteon

The meeting was called-to-order at 2:05 PM by Chairman Brian Piscitelli.

1.0 Introductions

Self-introductions were made.

2.0 Committee Organization and Procedures

2.1 Membership

<u>Member Organizations Present</u>	<u>Present at This Meeting?</u>	<u>Present at previous meeting?</u>	<u>Present at meeting prior to previous?</u>
IBM Corporation	Yes	Yes	Yes
KOA Speer Electronics	Yes	Yes	Yes
Mini-Systems	Yes	No	No
Panasonic	Yes	Yes	No
Vishay	Yes	Yes	Yes
Visteon	Yes	No	No
Yageo/Phycomp	Yes	Yes	Yes

<u>Member Organizations Absent</u>	<u>Present at This Meeting?</u>	<u>Present at previous meeting?</u>	<u>Present at meeting prior to previous?</u>
CTS	No	Yes	No
Lucent Technologies*	No	No	No
SEI Electronics	No	No	Yes

*Not used in determination of quorum due to non-attendance

Other Organizations Present
EIA/ECA

Attendance was taken, and it was determined that a quorum was present. All attendees verified the correctness of the information on the rosters.

2.2 Approval of Agenda

The Committee unanimously accepted the Agenda as presented.

2.3 Approval of October, 2001 Meeting Minutes

The minutes of the fall 2002 meeting were unanimously approved.

2.4 Correspondence

No Correspondence was received or discussed.

2.5 Review of the Committee's Scope

No changes were made to the scope.

2.6 DSCC Report

No DSCC member present – no report given.

3.0 Old Business

3.1 Review ESD tests in EIA/IS-703 and compare to AEC-Q200 Rev B matrix.

Also compare IEC-801 – Dave Ritchey

At the previous Fall 2002 meeting Dave Ritchey presented a comparison between EIA/IS-703, AEC-Q200-002 (Automotive Electronics Council Spec) and IEC-801 which refers to IEC 1000-4-2. All of the test methods were very similar the only real difference was the acceptance criteria. The AEC and IEC specifications both state “Per Users Spec” – while the EIA/IS-703 specification calls for a delta R of 0.25%. The committee unanimously voted to modify EIA/IS-703 to state “Per Users Spec” instead of the 0.25% delta R.

A PN Number was requested to change the spec from 0.25% to “Per Users Spec”. Along with the change in the specification it will be reformatted and forwarded to EIA as an EIA standard. KOA will take the responsibility of getting EIA/IA-703 converted into an electronic specification for ease of updating.

Action Item – KOA to send electronic version of EIA/IA-703 to EIA/ECA for ease of updating the proposed change above and handling.

3.2 Addition of 0201 and 0402 sizes to EIA-575-A and EIA-576-A – Ted Coler/Brian Piscitelli

The committee reviewed various updates to both EIA-575 and EIA-576, the additions were mostly dimensional, tolerance and TCR updates. Ted Coler from Vishay has volunteered to review the test specifications of both specifications and bring them up to date and align them with MIL-STD-202. Ted will complete his review, return to Brian Piscitelli who will submit to Ed at EIA/ECA for review. A PN number has been requested for both EIA-575 and EIA-576.

Action Items – Ted to finish the review, Brian to send to Ed at EIA/ECA to be sent out for review and vote.

3.3 Review and addition of resistor outlines to the newly formatted/web-based PDP-100 – Brian Piscitelli

PDP-100 contains most of the standard case sizes already – once the updates of EIA-575 and 576 is completed the newly updated dimensions will be forwarded to PDP-100 for updates.

Action Item – Brian Piscitelli to submit the resistor outlines to P-4 once dimensions are finalized in EIA-575 and EIA-576.

5.0 New Business

5.1 Review of EIA-886 and EIA-887 – Ted Coler/Brian Piscitelli

Once the EIA-575 and EIA-576 reviews are complete Ted Coler and Vishay will submit proposed revisions of EIA-886 (Thick Film Resistor Array Spec) and EIA-887 (Thin Film Resistor Network Spec) to the group for review. New PN numbers will be requested from EIA.

Action Items – Brian Piscitelli to request two new PN numbers for the review of EIA-886 and EIA-887. Ted Coler to submit the initial reviews of EIA-886 and EIA-887.

5.0 Next Meeting

The next meeting will be at the 7th ECA Engineering Summit week of 6 October 2003 in San Antonio, Texas. The meeting time was not yet finalized at the time of the minutes.

6.0 Adjournment

The committee adjourned at 2:55 PM.

This meeting was conducted in accordance with the EIA legal guidelines and the Manual of Organization and Procedures.

Brian Piscitelli
Chairman
Signature on file

Edward F. Mikoski, Jr.
Acting Secretary
Signature on file