



Minutes of P-10 Committee on Integrated Passive Devices

Tuesday 17 May, 2005

Chateau Sonesta

New Orleans, Louisiana

P-10 Committee's Scope:

Will provide technical support and develops standards and specifications for electronic devices using mixed passive product technologies and diodes that perform a passive function, e.g., a) resistors and capacitors; b) resistors and diodes; c) resistors, capacitors, and inductors.

These devices may be discrete components that are “integrated” on a common substrate (hybrid) or in a carrier formed by a common manufacturing process (monolithic).

Activities also include the generation of terms and definitions, review of specifications, establishment of new specification criteria, and maintenance of existing criteria relating to these devices.

To accomplish these functions, the committee maintains liaison with and uses technical information from other standards development organizations (SDOs), government agencies, industry, various professional organizations, participating members, and guests.

Attendees:

NAME	COMPANY
Terry D. Charles	Panasonic
Ted Coler	Vishay
Michael Griffith	KOA
Mike Lauri	IBM
Lucy Lee	KEMET Electronics
Carl Lindquist	San-O-Industrial Corp
Len Metzger	Panasonic
Ed Mikoski	EIA/ECA
Stephen Olster	Mini-Systems Inc.
Dave Ritchey	Yageo/Phycomp
Jason Young	KEMET Electronics

The meeting was called-to-order at 11:15 am by acting Chairman Michael Griffith

1.0 Introductions

A round of self-introductions was conducted

2.0 Committee Organization and Procedures

2.1 Membership and Attendance

Attendance was taken, and it was determined that a quorum was present.

<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	Y	Y	N
KEMET Electronics	Y	N	Y
KOA	Y	Y	Y
Mini-Systems	Y	Y	Y
Panasonic	Y	Y	Y
San-O-Industrial Corp	Y	Y	Y
Vishay	Y	Y	Y
Yageo	Y	Y	Y

<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>
AEM	N	Y	Y
AVX	N	Y	Y
Intel	N	Y	Y^

*Not counted in determination of quorum due to committee member inactivity

^Indicates activated as member of committee

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

2.2 Approval of Agenda

The Committee unanimously accepted the Agenda as presented.

2.3 Approval of October, 2004 Meeting Minutes

Minutes from October 2004 meeting needed an editorial change on page 4. The beginning of this page needed to indicate "Status of PN4996 for Ballot". Minutes were approved with noted change above.

2.4 Correspondence

No correspondence was received.

3.0 Old Business

3.1 Status of PN-4944 (RC test performance spec).

Comments from Voting Ballots was reviewed and all comments were resolved from the Ballots.

The members present, see list below, unanimously approved the spec to be moved to EIA as a standard.

Core Voting List

Ted Coler (vishay) ted.coler@vishay.com

Mike Lauri (IBM)

Lucy Lee (Kemet) llee@kemet.com

Stephen Olster (Mini-Systems) solster@mini-systemsinc.com

Len Metzger (Panasonic) metzgerl@us.panasonic.com

Dave Ritchey (Yageo) dave.n.ritchey@yageo.com

Carl Lindquist (San-o Industrial) fuseman@attglobal.net

Michael Griffith (KOA) mgriffith@koaspeer.com

3.2 IPD Chip Scale Package Test (PN-4996):

Michael Griffith to get with current chairman for the ballot list from the Ballot which was sent out on 19-Nov-04. Comments and Ballots will be taken to the October 2005 meeting in Memphis TN. Members present at the October 2005 meeting will review the comments, if any, and resolve any issues. Upon review of comments and ballots the PN will be voted to send to EIA for publication at the October 2005 meeting.

3.3 IPD Application Guideline status

PN #5096 was created for the IPD application guideline. The group voted that the ECA should send out PN5096 for comments. Mike Griffith to follow up with ECA to insure guideline gets sent out for comments.

Comment list is:

Ted Coler (vishay) ted.coler@vishay.com

Mike Lauri (IBM)

Lucy Lee (Kemet) llee@kemet.com

Stephen Olster (Mini-Systems) solster@mini-systemsinc.com

Len Metzger (Panasonic) metzgerl@us.panasonic.com

Dave Ritchey (Yageo) dave.n.ritchey@yageo.com

Carl Lindquist (San-o Industrial) fuseman@attglobal.net

Michael Griffith (KOA) mgriffith@koaspeer.com

3.4 PDP-100 mechanical Outlines

No issues with current outlines that have been provided to P-4.

3.5 Review additional IPD Circuit Registration Requests

No new IPD registrations have been received. Ted Coler (Vishay) is to provide a contact name so that Vishay can start registering IPD's. Mike Griffith to e-mail Ted for contact information.

3.6 Other business

No other business

4.0 New Business

All members of the P-10 group are to review the CB19 bulletin and provide any comments to Karun Malhotra (Murata) if there are any issues with IPD's being added to this bulletin.

5.0 Next Meeting

The next ECA Spring meeting will be held in Memphis TN in October.

6.0 Adjournment

The meeting was adjourned at 11:55 AM.

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

Brian Piscitelli
Chairman

Michael Griffith
Acting Chairman