



Minutes of P-10 Integrated Passive Devices

Tuesday 05 October, 2004 Holiday Inn on the Bay San Diego, California

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
Nick Holmberg	Intel
Mike Lauri	IBM
Edward Li	AEM
Carl Lindquist	San-O-Industrial Corp
Len Metzger	Panasonic
Ed Mikoski	EIA/ECA
Stephen Olster	Mini-Systems Inc.
Chris Reynolds	AVX
Dave Ritchey	Yageo/Phycomp

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

1. Introductions

2. 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>
AEM	Y	Y	N
AVX	Y	Y	Y
IBM	Y	N	Y
Intel	Y	Y^	n/a
KOA	Y	Y	Y
Mini-Systems	Y	Y	N
Panasonic	Y	Y	Y
San-O-Industrial Corp	Y	Y	Y
Vishay	Y	Y	Y
Yageo	Y	Y	Y

^Indicates activated as member of committee

<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>
Cornell Dubilier*	N	N	N
Kemet	N	Y	N
KRFM America	N	N	Y
Maxwell Technologies*	N	N	N
Murata	N	N	Y
SEI Electronics	N	N	Y
TDK*	N	N	N
Visteon*	N	N	N

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

<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, 2003 Meeting Minutes

The Committee unanimously accepted the Minutes of the last meeting as written.

2.4 Correspondence

No correspondence was received.

3. Old Business

3.1 Status of PN-4944 (RC test performance spec) for EDEC approval

Voted to resend out, for a 30 day SP Ballot, to the core Ballot list below. All attending members from the April 2004 meetings, not on the core ballot list, shall be included for balloting.

Mike Griffith will follow/up with ECA to insure the ballots were sent out.

Core Ballot list

Ted Coler (vishay)

Mike Lauri (IBM)

Susan Barkal (Kemet)

Joe Kroog (IHS)

Nick Holmberg (Intel)

Stephen Olster (Mini-Systems)

Len Metzger (Panasonic)

Dave Ritchey (Yageo)

Carl Lindquist (San-o Industrial)

Liwn Wang (AEM)

Brian Piscitelli (KOA)

Chris Reynolds (AVX)

Comment resolution, if applicable, and voting of the specification is planned for the April 2005 meeting

3.2 IPD Application Guideline status

Voted to resend out, for a 30 day SP Ballot, to the core Ballot list below. All attending members from the April 2004 meetings, not on the core ballot list, shall be included for balloting.

Mike Griffith will follow/up with ECA to insure the ballots were sent out.

Core-Ballot list

Ted Coler (vishay)

Mike lauri (IBM)

Susan Barkal (Kemet)

Joe Kroog (IHS)

Nick Holmberg (Intel)

Stephen Olster (Mini-Systems)

Len Metzger (Panasonic)

Dave Ritchey (Yageo)

Carl Lindquist (San-o Industrial)

Liwn Wang (AEM)

Brian Piscitelli (KOA)

Chris Reynolds (AVX)

Comment resolution, if applicable, and voting of the specification is planned for the April 2005 meeting

3.3 Other business

Michael Griffith has started a draft for the IPD the application guideline. A copy of this document should be finished to be sent out to the working group (Steve Olster, Randy Pinkleman & Ted Coler) by December 2004.

3.4 Review additional IPD Circuit Registration Requests

A copy of mechanical outlines was reviewed and a motion was taken to submit the outlines as is to the P-4 committee. The motion was unanimous to submit the outlines.

A motion was taken to accept the mechanical outlines being created by using Visio, as the drawing program, and excel as the main document program. The Motion was unanimous to use the above 2 programs to create the outlines

3.5 Review additional IPD Circuit Registration Requests

No new IPD registrations have been received.

3.6 Other business

A vote was taken for Vice-Chairman of the P-10 committee. A unanimous vote was taken to accept Michael Griffith (KOA) as the Vice-Chairman of the P-10 committee

4. 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. Future Meetings

The next ECA Spring meeting will be held in New Orleans from May 16~19, 2005

6. Adjournment

The meeting was adjourned at 11:45 AM.

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

Michael Griffith
Acting Chairman

Acting Secretary
Ed Mikoski