



Minutes of P-3 Committee on Inductive Components

Wednesday 08 October 2003 Marriott Rivercenter San Antonio, TX

Scope of the P-3 Committee on Inductive Devices (approved 10/7/98): This committee covers all types of inductive components regardless of technology used in electronic circuits. It includes inductors, r.f. (chokes, filters, interference filters, inductors and transformers), chip inductors, and variable inductors.

Attendees:

| NAME | | COMPANY |
|-------------|---------------|------------------------|
| Terry | Charles | Panasonic |
| Yumi | Chiong Aihara | KRFM America Inc. |
| Philip | Diglio | EPCOS Inc. |
| Bill | Gisseler | TDK |
| Michael | Griffith | KOA |
| Kunifumi | Komiya | KRFM America Inc. |
| Masonori | Kujiraoka | Taiyo Yuden |
| Patrick | Kyne | DSCC |
| Carl | Lindquist | San-O Industrial Corp. |
| Maher | Mahmud | IBM |
| Len | Metzger | Panasonic Ind'l Co. |
| Ed | Mikoski | EIA/ECA |
| Dave | Ritchey | Yageo/Phycomp |

The meeting was called-to-order by Chairman Bill Gisseler at 2:14pm.

1. Introductions

Attendance was taken, a sign-in roster was circulated, 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> |
|--|---------------------------------------|--|---|
| DSCC | Y | N | N |
| EPCOS Inc. | Y | Y | N |
| IBM | Y | Y | Y |
| KOA | Y | N | N |
| KRFM America Inc. | Y | N/A | N/A |
| Panasonic | Y | Y | Y |
| Taiyo Yuden | Y | N | N |

| | | | |
|---------------|---|---|---|
| TDK | Y | Y | Y |
| Yageo/Phycomp | 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 |
| *Cooper Bussmann | N | N | N |
| *Intel | N | N | N |
| *Lucent | N | N | N |
| Murata | N | N | Y |
| Vishay | N | N | Y |

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

| <u>Other Organizations Present</u> |
|---|
| EIA/ECA |
| San-O Industrial Corp |

1.1 A motion was made and seconded with a vote taken to accept minutes from the April 16th, 2003 meeting as presented.

1.2 A motion was made and seconded to accept the Agenda as presented. Vote taken and motion carried.

1.3 Correspondence - none

2.Old Business

2.1 PN-4315 Surface Mount Chip Bead Qualification Specification. Group was advised that this was published as EIA 944.

2.2 PN-4233 Surface Mount Inductor Qualification Specification publication status. Group was advised that this is published as EIA 945.

3. New Business Opportunities

3.1 Proposal to change EIA 944 Surface mount Chip Bead Qualification to ANSI Standard was tabled to the Spring Session.

3.2 Proposal to change EIA945 Surface Inductor Qualification to ANSI standard. This was tabled to the Spring Session.

3.3–3.6

Additional test and characterization of chip bead impedances discussion. Agreed to send out Chart created during the Spring 2003 session with modification for category A only SMD Bead. Target manufacturers, are Stewart, Murata, AEM, Delta, Tokin, J.W. Miller, Taitech, Associated Magnetics, World Products, ACT, TDK, Samsung, Inductor Supply, Vishay, Abracon, Panasonic. Additional discussion ensued and it was decided that only the groups in attendance would fill in the requested data. Consequently it will come from TDK, Taiyo Yuden, Stewart, Epcos, Yageo, Koa Speer, Avx/Kyocera and Panasonic. Those in attendance to send completed chart to Bill Gisseler and Phil Diglio.

SMD Inductor chart looked okay and it was decided that we would send this out as is to various manufacturers. Stewart, Murata, AEM, Panasonic, Epcos, Tokin, Sumida, Coiltech, Coilcraft, Sagami, Vishay, Coiltronics, Taiyo Yuden, Associated, Magnetics, Tokin, Taitech, World Products, Abracon, Samsung, J.W. Miller, AEM, AVX/Kyocera and TDK. Additional discussion ensued and it was decided that only the groups in attendance would fill in the Data. Therefore, the data will be compiled initially from TDK, Taiyo Yuden, Stewart, Epcos, Yageo, Koa Speer, Avx/Kyocera and Panasonic. Those in attendance to send completed chart to Bill Gisseler and/or Phil Diglio

3.7 – 3.8 – Tabled for Spring session.

3.9 – Packaging information regarding SMD Inductors and SMD Ferrites – Bill Gisseler to attach to the minutes

3.10 Power Inductors – Address Power Inductors – Next meeting

4. Next Meeting – Tampa Florida – Spring 2004

5. Motion made, seconded and carried to adjourn – 4:10PM

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

Bill Gisseler
Chairman

Philip Diglio
Secretary