

Monday March 15, 1999

Administrative Discussion

8:30 AM – 9:00 AM

- A. Status of reports
- B. Sales
- C. Comment on each standard
- D. Discussion on adding Auto-transformers to STD 295

Inductor Subcommittee

9:00 AM – 12:00 NOON

1. Scope Review
2. Definitions
 - A. AC-DC Major Categories
Define and documentation of Application of each category
 1. DC Inductor
 2. Line reactor
 3. Common Mode Inductor
 4. Swinging Choke
 5. Load Coil
 6. Non Linear Filter Inductors
 7. Mag Amps
 8. Power Factor Correction Inductors
 9. DC-DC Filter Inductors
 10. EMI/RFI Inductors
 11. Commutating Inductors
 12. Trap Inductors
 - B. Definitions
 1. Peak Current
 2. Continuous Current
 3. Saturation Level
 4. Swing Inductor
 5. Voltage Harmonics
 6. Current Harmonics
 7. Volt-Time Product
 8. Input Wave Shape
 9. Output Wave Shape
 10. Rise Time
 11. Fall Time
 12. Pulse Duration
 13. Duty Cycle
 14. Normal VA Rating
 15. Inductance Formulas

- 16. Q
- 17. Fringing

C. Formula, Design, Operations

- 1. Inductance Formulas
- 2. Q
- 3. Fringing
- 4. Peak Current
- 5. Continuous Current
- 6. Saturation Level
- 7. Swing Inductor
- 8. Voltage Harmonics
- 9. Current Harmonics
- 10. Volt-Time Product
- 11. Input Wave Shape
- 12. Output Wave Shape
- 13. Rise Time
- 14. Fall Time
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- 16. Duty Cycle
- 17. Normal VA Rating

D. Design Application Characteristics

E. Testing

F. Summary of Outline and Format

Transformer Tests (STD 389)

1:00 PM – 4:00 PM

Standard Review

- A. Test Techniques
- B. Equipment
- C. Dielectric Tests for High Power
- D. IEC Standards References

March 16, 1999

Recommended Practices for Planar Magnetics

8:30 AM – 11:30 AM

- A. Presentation by Ashraf Lofti
- B. Review of published paper
 - * List or Physical collection of papers
- C. Advantage/Disadvantage of level of Integration
- D. Physical Limitations of ferrite
- E. Physical limitations on winding substrates
 - * PWB & MLB

Standards Relationship to other standards (IEC, TIA, etc.)

1:00 PM – 2:00 PM

ETTC Meeting

2:00 PM – 3:00 PM

- A. Update of the Operating Manual
 - 1. Addition of secretary assigned for maintenance
 - 2. Addition of Chair requirements
 - 3. Question on quorum
- B. Fall agenda and meeting location (EMCW vs IAS)