

DEFENSE LOGISTICS AGENCY
DEFENSE SUPPLY CENTER, COLUMBUS
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COLUMBUS, OH 43213-1199

IN REPLY
REFER TO

DLA-VAT

March 24, 2025

MEMORANDUM FOR RECORD

SUBJECT: Engineering Practice Study: "Thermal Cycling test method for ferrite cores". Project Number: 5950-2025-028

Findings and recommendations for the Engineering Practice Study, dated 24 March 2025, are described in the enclosed final report.

/SIGNED/

Mark Rush
Chief (Acting)
Electronics Components Team

ENGINEERING PRACTICE STUDY

TITLE: POTENTIAL NEW HIGH RELIABILITY TRANSFORMERS

24 March 2025

STUDY PROJECT

FINAL REPORT

Study Conducted by DLA Land & Maritime,
Engineering and Technical Support, VAT

PROJECT NUMBER 5950-2025-028

Prepared by:

Ami Banks
Electronics Engineer
Electronic Components Branch

I. OBJECTIVES: The objective of this study is to investigate current High Reliability Transformer suppliers (Eaton, Halo Electronics Inc., and INCORE) to gather information and data on potential standardization areas and sources for possible new drawings in the High Reliability Transformer family.

II. BACKGROUND: DLA has not had any new transformer specifications or drawings added in several years. Reached out to military activities for input and comments.

III. RESULTS: An engineering evaluation of current data, manufacturer websites, and market research was performed. Several companies are currently making High Reliability Transformers. Eaton, Halo Electronics Inc., and INCORE have lines of high reliability transformers. Military services suggested several more companies for consideration: Magnetika Inc., PEI, General Transformer Corp, Data Device Corp, Abracon, SNC Manufacturing, Coilcraft, Pico Electronics, Abbott Technologies, Datatronics Romoland, and Hytronics Corp.

In conclusion, two military activities responded with suggestions for possible manufacturers, however, no one had a specific interest in this technology, or a recommendation of a specific transformer design for future specification or drawing development. There was no indication of a demand or current need for this transformer family.

IV. CONCLUSIONS: In conclusion, none of the military activities showed interest in the development of a drawing or specification for this technology.

V. RECOMMENDATIONS: Recommendation no action at this date. DLA should do another study in the winter of 2026 or 2027 to reassess interest.