

MILITARY SPECIFICATION SHEET

TRANSFORMERS AND INDUCTORS
(AUDIO, POWER AND HIGH-POWER PULSE),
INDUCTOR, POWER, TF4S04LB

(C) Inactive for new design after
the date of this specification

This specification is approved for use by all Depart-
ments and Agencies of the Department of Defense

The requirements for acquiring the product described herein shall
consist of this specification sheet and the issue of the following
specification listed in that issue of the Department of Defense
Index of Specifications and Standards (DODISS) specified in the
solicitation MIL-T-27

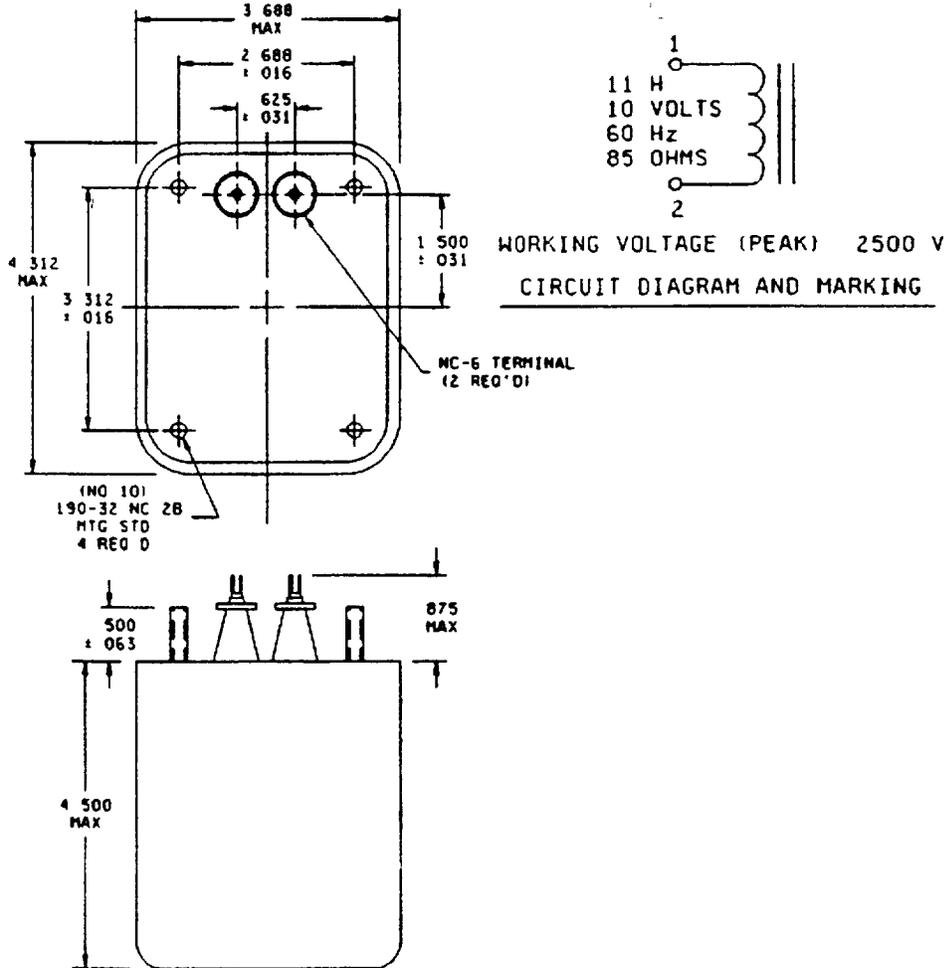


FIGURE 1 Dimensions and configurations

(C) denotes changes
1 of 3

AMSC N/A

DISTRIBUTION STATEMENT A

Approved for public release, distribution is unlimited

FSC 5950

Inches	mm
016	0 41
.031	0 79
063	1.60
190	4 83
.500	12 70
625	15 88
875	22.22
1 500	38 10
2 688	68 28
3 312	84.12
3 688	93 68
4 312	109 52
4 500	114 30

NOTES

- 1 Dimensions are in inches
- 2 Metric equivalents are given for general information only
- 3 Marking shall be on the sides of the case
- 4 Dash numbers -02 through -09 have been canceled without replacement

FIGURE 1 Dimensions and configurations

REQUIREMENTS (When numbers in parentheses, i e , (1-2) are used, they indicate the winding and the extreme terminals of the windings.)

Electrical ratings

Inductance (1-2) 11 Henries (H), maximum

Voltage (1-2) 10 V rms, 60 Hz.

Current (1-2) 0.2 ampere, dc

DC resistance 85 ohms, ± 25 percent

Working voltage (peak) 2500 V

Design and construction

Dimensions and configuration See figure 1

Duty cycle Continuous

Case Metal enclosed

Material Steel

Terminals Solder lug type with ceramic insulator, NC-6 or equivalent

Terminal height 875 inch, maximum

Weight 12 pounds, maximum

Operating temperature range -55°C to $+130^{\circ}\text{C}$

Dielectric withstanding voltage (at sea level) 4,500 V rms

Electrical characteristics

Inductance With 10 V rms, 60 Hz across (1-2), and 0.2 ampere dc applied to (1-2), the inductance shall be 11 H, minimum

Temperature rise 40°C with 10 V, 60 Hz applied to (1-2) at an ambient temperature of 90°C

③ Quality assurance provisions

Qualification inspection Not applicable for this specification sheet

Quality conformance inspection Groups A and B tests of MIL-T-27 shall be applicable

Marking location See figure 1

Part or Identifying Number (PIN) M27/174-01 (see figure 1)

CONCLUDING MATERIAL

Custodians

Army - ER

Navy - EC

Air Force - 85

Review activities

Army - AR

Navy - YD

DLA - ES

User activities

Army - ME

Navy - MC

Air Force - 19

Preparing activity

Army - ER

Agent

DLA - ES

(Project 5950-0815-15)