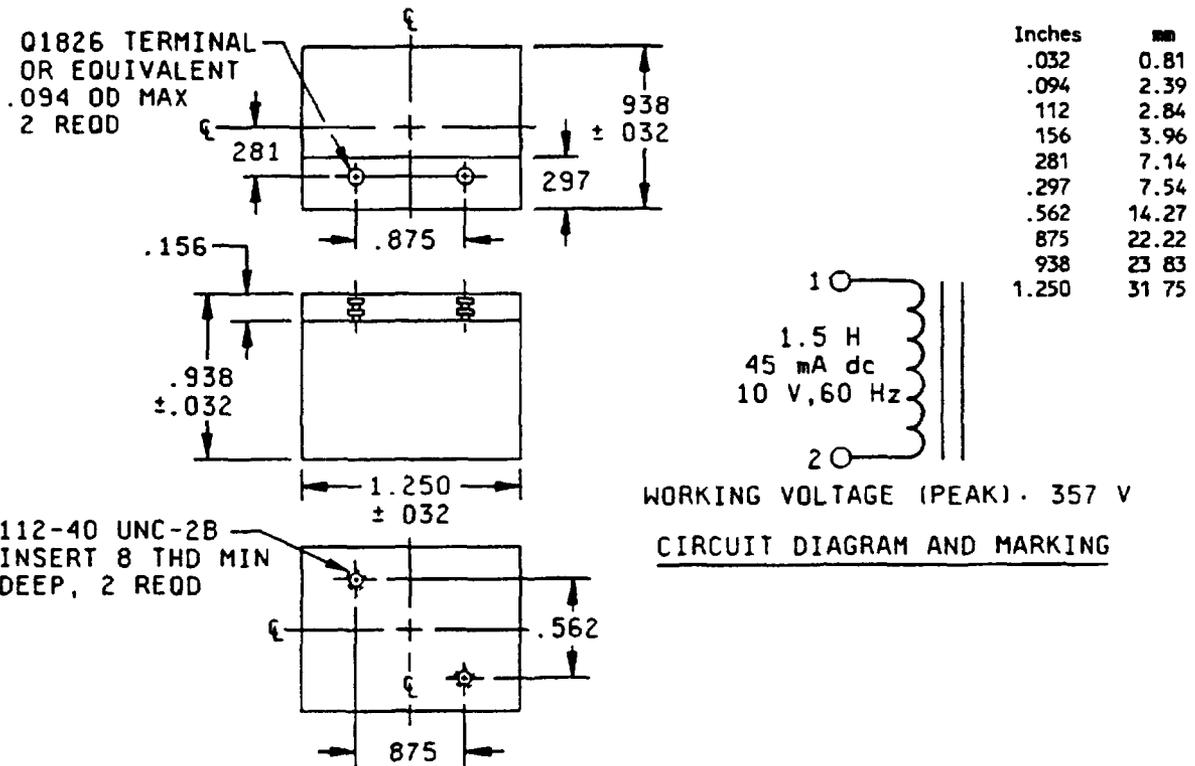


MILITARY SPECIFICATION SHEET

TRANSFORMERS AND INDUCTORS (AUDIO, POWER, AND HIGH-POWER PULSE),
INDUCTORS, POWER, TF5S04ZZ

This specification is approved for use by all Departments
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.



NOTES:

- 1 Dimensions are in inches
- 2 Metric equivalents are given for information only
- 3 Marking shall be on the side of the case.
- 4 Tolerances on all dimensions shall be ± 0.016 inch (0.41 mm), unless otherwise specified

FIGURE 1. Dimensions and configuration.

(C) denotes changes

MIL-T-27/149C

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) 1.5 H minimum
Voltage (1-2) 10 volts, 60 Hz
Current (1-2) 45 mA dc
DC resistance (1-2). 225 ohms \pm 25 percent.
Working voltage (peak). 357 volts
Power: 456 mW, maximum

Design and construction

Dimensions and configuration See figure 1
Duty cycle Continuous
Case: Encapsulated
Material: Epoxy
Terminals Solder terminal
Height: .156 inch, maximum
Diameter .094 inch \pm 0.016
Weight 0.12 pound, maximum.
Operating temperature range -55°C to +130°C

Shock (high impact). MIL-STD-202, method 207

Terminal strength: MIL-STD-202, method 211, test condition A, 2.0 pounds and test condition D, 8 ounce-inches.

Vibration (high frequency) MIL-STD-202, method 204.

Dielectric withstanding voltage (at sea level) 1,000 volts rms.

Electrical characteristics

Inductance With 10 volts, 60 Hz across (1-2), and 45 mA dc applied to (1-2) the inductance shall be 1.5 H minimum
Temperature rise 45°C, with 10 volts rms, 60 Hz, 45 mA dc applied to (1-2) at an ambient temperature of +85°C

Marking location See figure 1

- Ⓒ Part or Identifying Number (PIN) M27/149-01
- Ⓒ Qualification inspection Not applicable for this specification sheet.

CONCLUDING MATERIAL

Custodians

Army - ER
Navy - EC
Air Force - 85

Review activities:

Army - AR
Navy - OS, SH
Air Force - 17, 99

User activities.

Army - ME
Navy - AS, MC
Air Force - 19

Preparing activity
Army - ER

Agent:
DLA - ES

(Project 5950-0824)