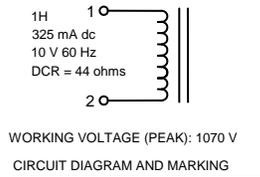
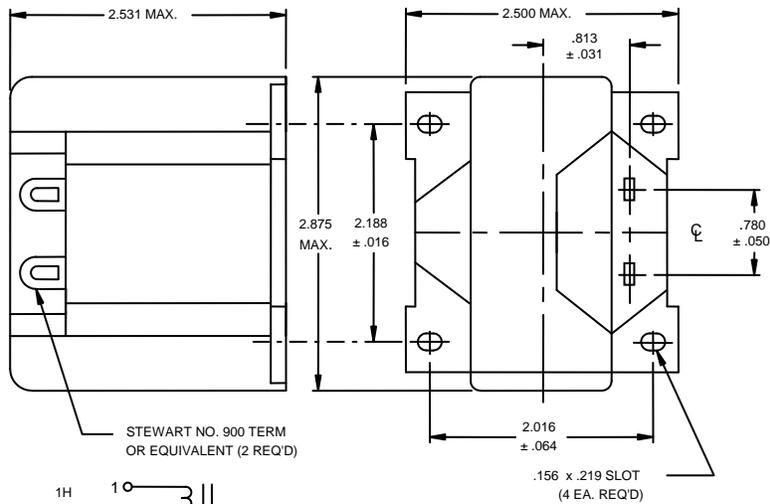


MILITARY SPECIFICATION SHEET
 TRANSFORMERS AND INDUCTORS
 (AUDIO, POWER, AND HIGH-POWER PULSE),
 INDUCTOR, POWER

Inactive for new design
 after 25 August 1998

This specification is approved for use by all Departments and Agencies of the Department of Defense.

The requirements for acquiring the transformer described herein shall consist of this specification sheet and MIL-PRF-27.



Inches	mm	Inches	mm
.016	0.41	.780	19.81
.031	0.79	.813	20.65
.050	1.27	2.016	51.21
.064	1.63	2.188	55.58
.156	3.90	2.500	63.50
.219	5.56	2.531	64.29
.312	7.92	2.875	73.02

NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for general information only.
3. Marking shall be on the side of the case.

FIGURE 1. Dimensions and configurations

MIL-T-27/179D

REQUIREMENTS: (When numbers in parentheses, such as (1-2) are used, they indicate the winding and the extreme terminals of the winding.)

Electrical ratings: See table I.

Inductance (1-2): 1.0 henry, minimum.

Voltage (1-2): 10 volts, 60 Hz, maximum.

Current (1-2): 325 mA dc.

DC resistance (1-2): 44 ohms, maximum.

Working voltage (peak): 1,070 volts.

Power: 4.6 watts.

Design and construction:

Dimensions and configuration: See figure 1.

Duty cycle: Continuous.

Case: Encapsulated.

Material: Epoxy.

Terminals: Solder type, Stewart number 900 or equivalent.

Height: .350 ±.100 inch (8.89 ±2.54 mm).

Weight: 0.95 kilograms, maximum.

Operating temperature range: -55°C to +130°C.

Terminal strength: [MIL-STD-202](#), method 211, test condition A, 2 pounds and test condition E, 8 ounce-inches.

Shock (specified pulse): [MIL-STD-202](#), method 213, test condition H.

Dielectric withstanding voltage (at sea level): 2,500 volts rms.

Electrical characteristics:

Inductance: With 10.0 volts rms, 60 Hz across (1-2), and 325 mA dc applied to (1-2), the inductance shall be 1.0 H minimum.

Temperature rise: 45°C maximum with 10.0 volts rms, 60 Hz, 325 mA dc applied to (1-2) at an ambient temperature of 85°C.

Marking location: See figure 1.

Part or Identification Number (PIN): M27/179-01.

Changes from previous issue. The margins of this specification are marked with vertical lines to indicate where changes from the previous issue were made. This was done as a convenience only and the Government assumes no liability whatsoever for any inaccuracies in these notations. Bidders and contractors are cautioned to evaluate the requirements of this document based on the entire content irrespective of the marginal notations and relationship to the last previous issue.

Referenced documents. In addition to [MIL-PRF-27](#), this document references the following:

[MIL-STD-202](#)

Custodians:

Army - CR
Navy - EC
Air Force - 85
DLA - CC

Preparing activity:
DLA - CC

(Project 5950-2009-016)

Review activities:

Army - AR, CR4, MI
Navy - AS, MC, OS, SH
Air Force - 19, 99

NOTE: The activities listed above were interested in this document as of the date of this document. Since organizations and responsibilities can change, you should verify the currency of the information above using the ASSIST Online database at <http://assist.daps.dla.mil>.