MILITARY SPECIFICATION SHEET

METER, TIME TOTALIZING, MINIATURE, DIGITAL, 115 V, 400 Hz

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

The requirement for acquiring the meter described herein shall consist of this specification and the latest issue in effect of MIL-M-7793.
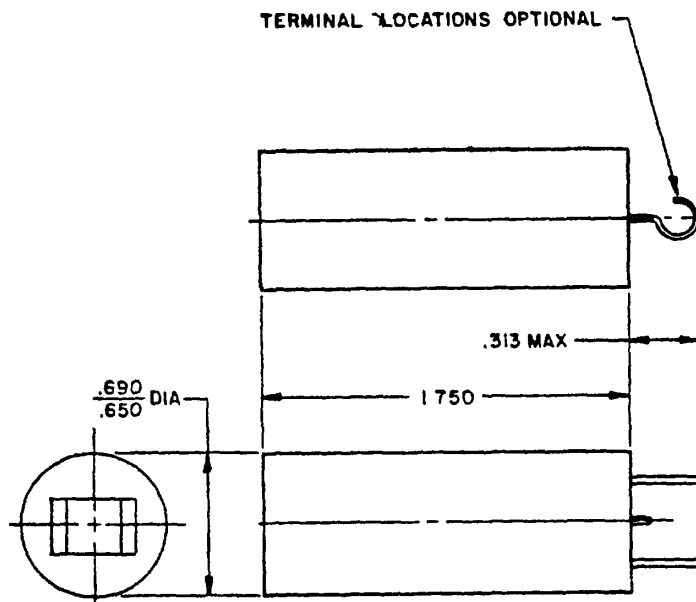

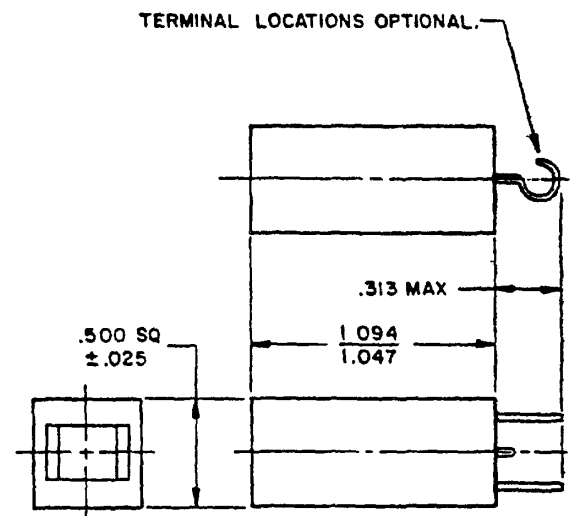FIGURE 1. M7793/6-001 (without flange).

FIGURE 2. M7793/6-002 (without flange).

AMSC N/A   FSC 6645

MIL-M-7793/6A

REQUIREMENT:

1. All dimensions are in inches. Unless otherwise specified, tolerances shall be +.015.

Performance:

Life accuracy: +0.1% from 102 to 128 V AC at 400 Hz, and -65 to +125°C.

Frequency rating: Meter shall operate satisfactorily and maintain the life accuracy limits as specified above over the frequency range of 380 to 420 Hz (see Note 2).

Power consumption: Power consumption at 115 V, 400 Hz AC shall not exceed 1.5 W.

Part numbers: The part number shall designate a round or a square meter and the associated mounting flange to be supplied packaged together.

Part Number	Meter	Flange
M7793/6-001	Round	MS3345-1
-002	Square	MS3345-2

Operating temperature range: -65 to +125°C.

Time range: Total readout of the meters shall be 9999 hours

Voltage range: Operating voltage shall be from 100 to 130 V AC.

Weight: Weight shall be not greater than 2.0 ounces with MS3345 flange attached.

Dielectric test voltages: 350 Vrms (altitude)
600 Vrms (room)

Random vibration required.

NOTES:

1. M7793/6-001 supersedes and is a direct replacement for MS17322-9.
   M7793/6-002 supersedes and is a direct replacement for MS17322-10.

2. Accuracy is degraded at the same percent as the percentage change in input frequency from 400 Hz, plus the specified accuracy tolerance.

Custodians: Preparing activity:
 Navy - AS   Navy - AS
 Army - AR
 Air Force - 99   (Project Number 6645-0392)