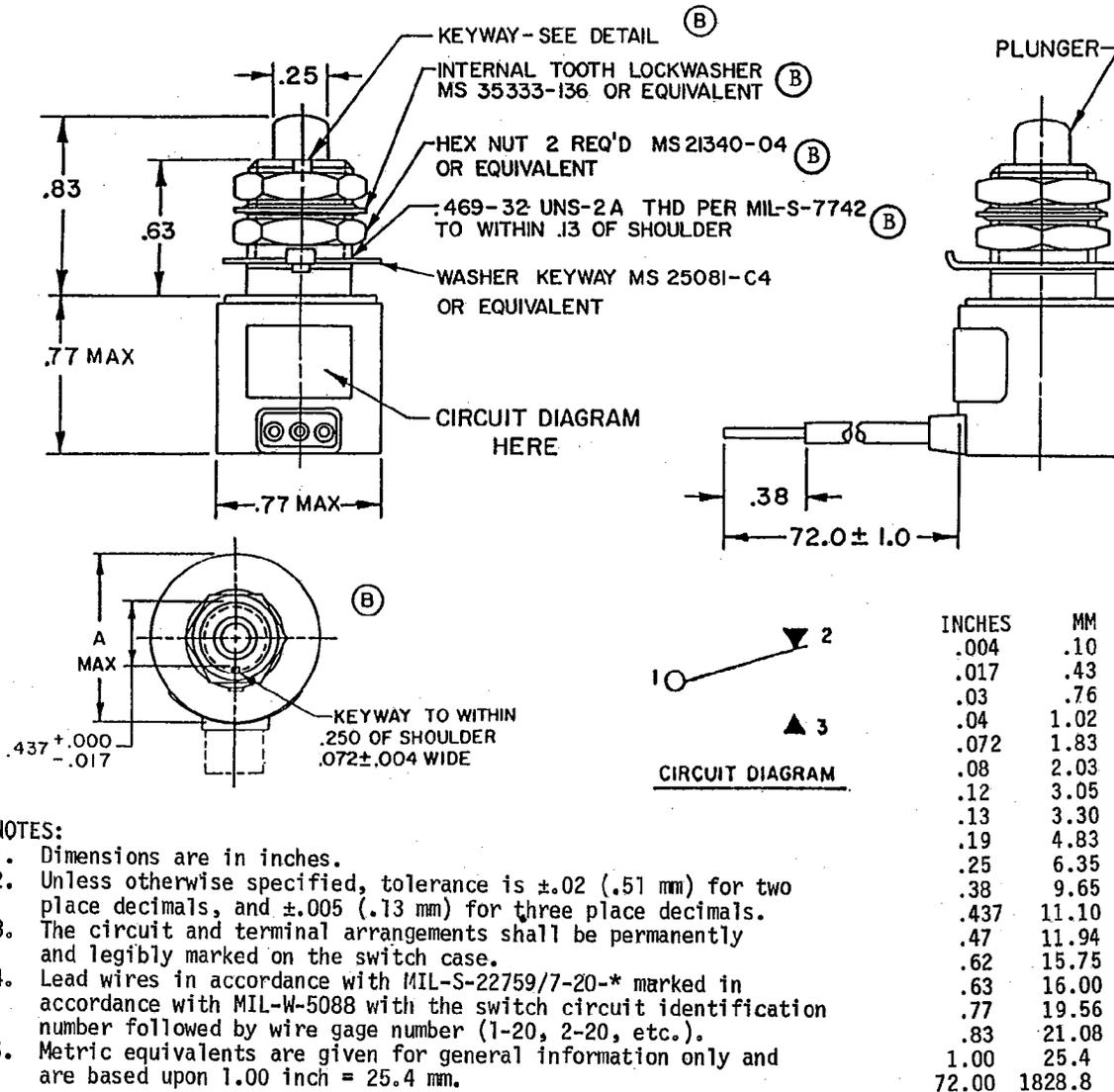


MILITARY SPECIFICATION SHEET

SWITCHES, SENSITIVE, SPDT, 6 AMPERES, WATERTIGHT

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

The complete requirements for acquiring the switches described herein shall consist of this specification and the latest issue of MIL-S-8805.



NOTES:

1. Dimensions are in inches.
2. Unless otherwise specified, tolerance is $\pm .02$ (.51 mm) for two place decimals, and $\pm .005$ (.13 mm) for three place decimals.
3. The circuit and terminal arrangements shall be permanently and legibly marked on the switch case.
- (B) 4. Lead wires in accordance with MIL-S-22759/7-20-* marked in accordance with MIL-W-5088 with the switch circuit identification number followed by wire gage number (1-20, 2-20, etc.).
5. Metric equivalents are given for general information only and are based upon 1.00 inch = 25.4 mm.

FIGURE 1. Configuration and dimensions.

(B) denotes changes

REQUIREMENTS:

Dimensions and configuration: See figure 1.

Enclosure design: 3 (Watertight).

Temperature characteristic: 2 (-65°C to +125°C).

Shock type: 50G, Method 213, test condition A, MIL-STD-202.

Vibration grade: 1 (10 to 500 Hz).

Weight: .30 pound (136.08 grams) maximum with leads.

Operating characteristics:

Actuating force: 8.50 ±3 pounds.

Release force: 4 pounds minimum.

Pretravel: .040 inch maximum.

Movement differential: .008 inch maximum.

Overtravel: .125 inch minimum.

Overtravel force: 20 pounds maximum.

Material: Internal switches may be CFG in accordance with MIL-M-14.

Finish: Switch housing shall be processed to resist corrosion.

Contact resistance: Not applicable.

Insulation resistance: 100 megohms.

Dielectric withstanding voltage:

Sea level: 1,000 V.rms. In qualification inspection table after electrical endurance the dielectric withstanding voltage points of application between all unconnected terminals of the same pole is not applicable.

Mechanical endurance: 50,000 cycles.

Electrical endurance: 25,000 cycles.

Electrical ratings: See table I.

TABLE I. Electrical ratings.

Load	Sea level
	28 V dc amperes
Resistive - - - - -	6
Inductive - - - - -	2.5
Motor - - - - -	3

Part number: MS27995-1.

Custodians:

Army - ER
Navy - EC
Air Force - 85

Review activities:

Army - AR
Navy -AS, OS
Air Force - 11, 17, 80
DLA - ES

User activities:

Army - MI, AV, WC
Navy - MC
Air Force - 19

Agent:

DLA - ES

Preparing activity:
Navy - EC

(Project 5930-1204-4)