

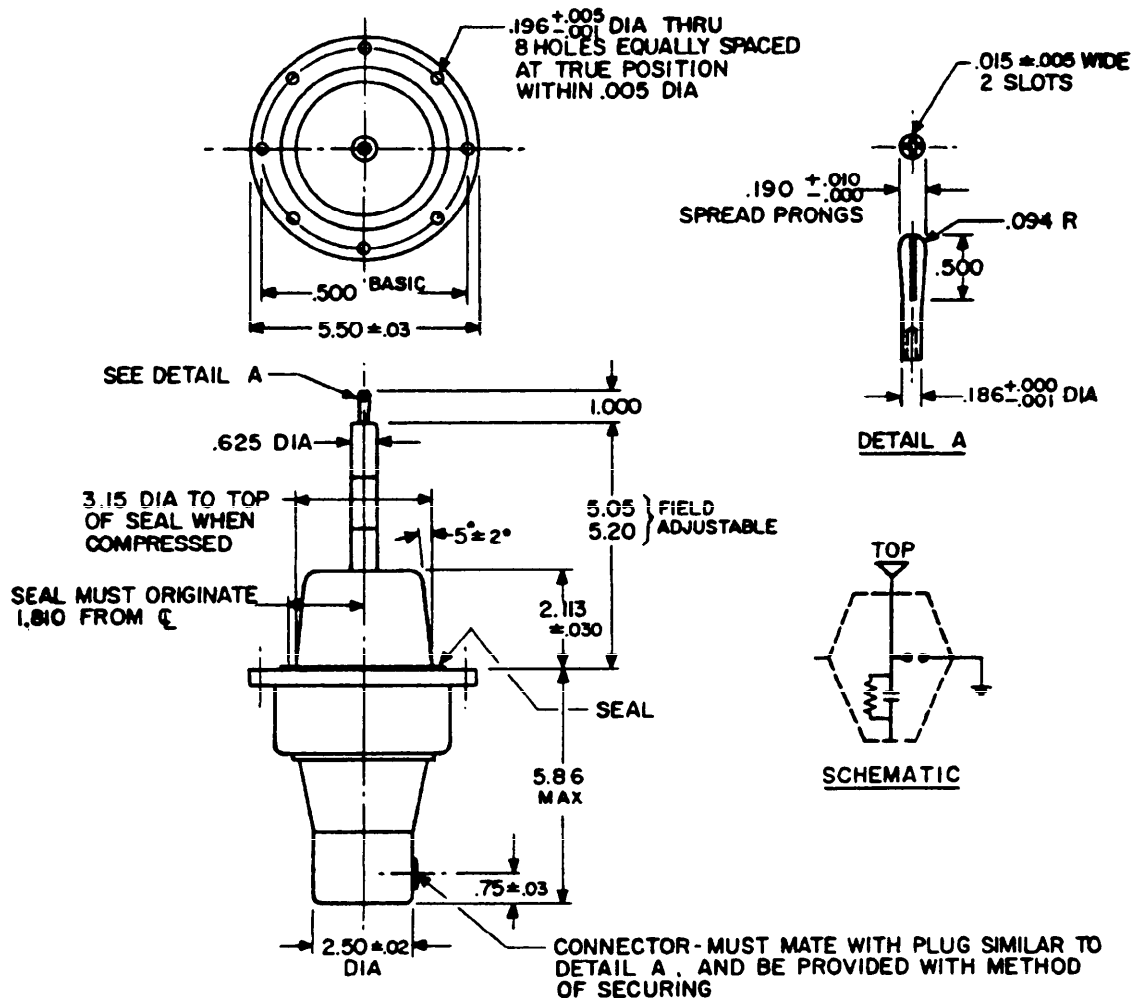
MIL-A-9094/1C  
 10 October 1974  
 SUPERSEDING  
 MIL-A-9094/1B  
 27 October 1971

# MILITARY SPECIFICATION SHEET

## ARRESTER, AIRCRAFT, LIGHTNING

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

The complete requirements for procuring the Lightning Arrester described herein shall consist of this document and MIL-A-9094C, 3 September 1958.



### NOTES:

1. Dimensions are in inches. Unless otherwise specified tolerances  $\pm .010$
2. Caution: - Not to be used for solid state circuit protection.  
The equipment connected to this arrester must have a DC path to ground.

(C) Denotes changes

MIL-A-9094/1C

REQUIREMENTS:

Design and Construction:

Design, construction, and performance shall be compatible for use with antenna mast Type AB620A/A covered by Air Force Drawing 60D93026.

Maximum Weight - 4 1/2 pounds.

Mounting Seal - An "O" ring or equivalent shall be used to create a seal between the arrester mounting flange and base of the antenna mast body. Adequacy of the seal shall be determined by testing in accordance with MIL-STD-202, Method 112, Test Condition B.

Connectors - The arrester equipment connector shall be compatible for use with and provide positive locking means for the antenna mast equipment cable plug as shown in Detail A of figure. The arrester antenna mast connector shall be compatible for use with the antenna mast equipment.

Visual Stroke Indicator - Not required.

Altitude Range - 0 - 50,000 feet.

Temperature Operating Range - -65° F to 160° F.

Operating Position - Vertical.

Electrical:

Spark Gap Breakdown Voltage - 10 kilovolt at 2 MHz.

Series Capacitor Value - Equal to or greater than 0.002 microfarads.

Resistor Value - 1.0 megohm  $\pm$  15%.

Arrester Shunt Capacitance - No greater than 18 picofarad.

Radio Frequency Range - 2 - 24 MHz.

Maximum Radio Frequency Current - 10.0 amperes.

Part No. M9094/1-001

Cross Reference Data

(C)

MIL Part No.  
M9094/1-001

FSCM (74999)  
P/N AD969-DW

FSCM (97151)  
P/N 62D47001

Custodians:

Air Force - 85  
Navy - AS  
Army - EL

Preparing Activity:  
Air Force - 85

(Project No 5920-0353-01)

Reviewer Activities:

Air Force - 11, 80  
Navy  
Army



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