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This standard has been approved by the Department of the Army and is mandatory for use by that activity. All other military agencies as required to employ this standard were notified.

FED. SUP CLASS  
5960

| MS PART NO | A<br>± 1/16 | B<br>MAX | C<br>± 1/16 | WEIGHT<br>GRAMS<br>(d) MAX | TUBE ENVELOPE |            | SOCKET<br>(REF) |
|------------|-------------|----------|-------------|----------------------------|---------------|------------|-----------------|
|            |             |          |             |                            | STYLE         | NO. LENGTH |                 |
| MS27274-1  | 1 1/2       | 1 5/8    | 1 1/8       | 9.0                        | T-5 1/2       | 1 1/8      | TS-102          |
| MS27274-2  | 2           | 2 1/8    | 1 1/8       | 10.3                       | T-5 1/2       | 1 1/2      | TS-102          |
| MS27274-3  | 2 1/2       | 2 5/8    | 1 1/8       | 11.7                       | T-5 1/2       | 2          | TS-102          |
| MS27274-4  | 1 1/2       | 1 5/8    | 1 3/16      | 11.3                       | T-6 1/2       | 1 1/8      | TS-103          |
| MS27274-5  | 2           | 2 1/8    | 1 3/16      | 12.0                       | T-6 1/2       | 1 3/16     | TS-103          |
| MS27274-6  | 2 1/2       | 2 5/8    | 1 3/16      | 13.6                       | T-6 1/2       | 2          | TS-103          |

THESE ARE HIGH PERFORMANCE SHIELDS PRIMARILY FOR USE IN RETROFITTING PRESENT EQUIPMENT WHICH USE THE SOCKETS REFERENCED ABOVE AND REQUIRE GREATER HEAT DISSIPATION.

a. Pin body material: Aluminum, QQ-A-561C.  
Finish: Alodine #1200 - MIL-C-5541 and electrofilm.

b. Weight of shield assembly less socket.

c. Top cap, washer, and base material: Aluminum, QQ-A-561C and WW-T-789B.  
Finish: Alodine #1200 - MIL-C-5541 and electrofilm.

d. Conical spring and snap rings material: Beryllium Copper, Specification QQ-C-530.  
Finish: Black cadmium plate, Specification QQ-P-416, Class I, Type II.

Dimension A refers to overall length of shield assembly.  
Dimension B refers to total length of shield seated on a MIL-S-12883 socket.  
Dimension C refers to outside diameter of body fin form.

Cooling: The average reduction of surface temperature of the slug shall be in accordance with 3.5.1 of Specification MIL-S-9372 except that the temperature shall be not less than 400°.  
Installation force shall not exceed 20 pounds.  
No tool shall be required for application or removal of shield from tube and base.  
Top end of shield shall have an opening.

Dimensions in inches.

CANCELLED AFTER 7 MARCH 1968. NO SUPERSEDING  
STANDARD. The applications for which the  
cancelled MS27274 parts were originally designed  
no longer exists.

|                                         |                                                                                   |                                             |
|-----------------------------------------|-----------------------------------------------------------------------------------|---------------------------------------------|
| P.A. USAP - 11<br>Other Cust            | TITLE<br>SHIELD-ELECTRON TUBE-HEAT DISSIPATING,<br>(7 & 9 FIN MINIATURE-RETROFIT) | MILITARY STANDARD<br><b>MS 27274 (USAF)</b> |
| PROCUREMENT SPECIFICATION<br>MIL-S-9372 | SUPERSEDES                                                                        | SHEET 1 OF 1                                |

DD FORM 672-1 (Limited coordination)

THIS FORM IS OBSOLETE.

APPROVED 28 NOV 62 REVISED 27 FEB 63 7 MAR 68