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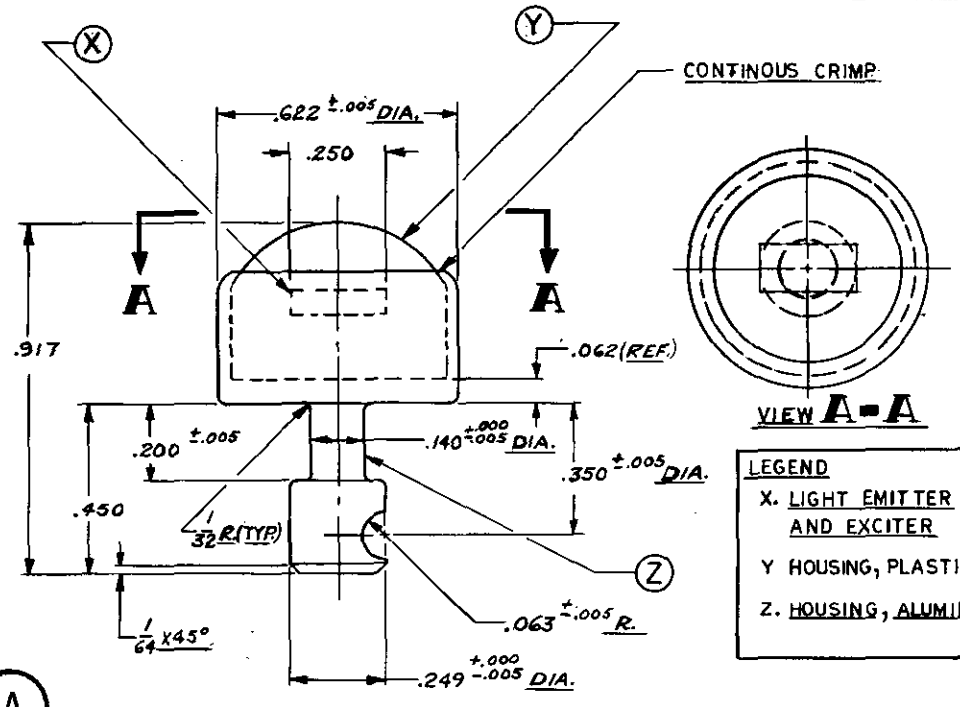

LEGEND
X. LIGHT EMITTER AND EXCITER
Y HOUSING, PLASTIC
Z. HOUSING, ALUMINUM

A CANCELLED after 1 May 1975 NO SUPERSEDING STANDARD

NOTES:

1. MATERIAL: ALUMINUM, QQ-A-225/1; PLASTIC, SHEET, MIL-P-5425; MOULDING PLASTIC L-P-380.
2. FINISH: ALUMINUM IN ACCORDANCE WITH MIL-A-8625.
3. PLASTIC SHELL SHALL BE FUNCTIONALLY SEALED TO PREVENT ENTRANCE OF AIR OR MOISTURE.
4. THIS STANDARD TAKES PRECEDENCE OVER DOCUMENTS REFERENCED HEREIN.
5. REFERENCED DOCUMENTS SHALL BE THE ISSUE IN EFFECT ON DATE OF INVITATIONS FOR BID.
6. HEAT TREAT: ALUMINUM, TEMPER H-14; PLASTIC, MOLDED, NORMALIZED AT 90°C (194°F) ± 5°C (10°F).
7. ALL DIMENSIONS ARE IN INCHES; UNLESS OTHERWISE SPECIFIED, TOLERANCES ARE ± .010.
8. DESIGN REQUIREMENTS:

   MILLICURIE CONTENT PER MARKER -50 (APPROX).

   INITIAL BRIGHTNESS -25 -50 MICROLAMBERTS, 35 MICROLAMBERTS (NOMINAL).

   RADIATION LEVEL AT MARKER SURFACE -2 MILLIROENTGENS/HR MAX. FOR PIGMENT MARKERS.

   RADIOACTIVE CONTAMINATION -2200 DPM MAX.

   COLOR OF VISIBLE LIGHT EMITTED - 500 - 600 MILLIMICRONS DOMINANT WAVE LENGTH.

   DECREASE OF BRIGHTNESS - 50%, OVER 5 YEAR PERIOD, MAXIMUM.
9. MARKERS SHALL MEET THE TEST REQUIREMENTS OF THE CODE OF FEDERAL REGULATIONS, TITLE 10, PART 32.
10. LUMINOUS MATERIAL SHALL CONSIST OF A UNIFORM MIXTURE OF A PIGMENT CONTAINING PHOSPHOR AND A BINDER WITH THE ISOTOPE HYDROGEN-3 (TRITIUM) USED AS A PHOSPHOR EXCITER OR THE LUMINOUS MATERIAL MAY ALSO CONSIST OF A SEALED TRITIUM GAS SOURCE.
11. EACH MARKER SHALL BE LABELED IN ACCORDANCE WITH ATOMIC ENERGY COMMISSION REGULATIONS.
12. TRANSPARENT PLASTIC SHALL BE USED FOR LUMINOUS PIGMENT MARKERS; TRANSLUCENT PLASTIC SHALL BE USED FOR GAS FILLED UNITS.

APPROVED 6 MARCH 1969 REVISED (A) 1 MAY 1975

P.A. AIR FORCE -84 Other Cust ARMY - GL NAVY -	TITLE MARKER, SELF LUMINOUS, AIRCRAFT EXIT, SPRING PIN MOUNTED.	MILITARY STANDARD MS27829
PROCUREMENT SPECIFICATION MIL-M-3935	SUPERSEDES:	SHEET 1 OF 1

DD FORM 1 SEP 67 672-1 (Coordinated) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

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