

INCH-POUND

MIL-DTL-6363/10A
 30 September 1997
 SUPERSEDING
 MIL-L-6363/10
 25 September 1992

DETAIL SPECIFICATION SHEET

LAMPS, INCANDESCENT, AIRCRAFT SERVICE, SINGLE CONTACT BAYONET CANDELABRA BASE, G-5 BULB

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

The requirements for acquiring the product described herein shall consist of this specification
 and MIL-DTL-6363.

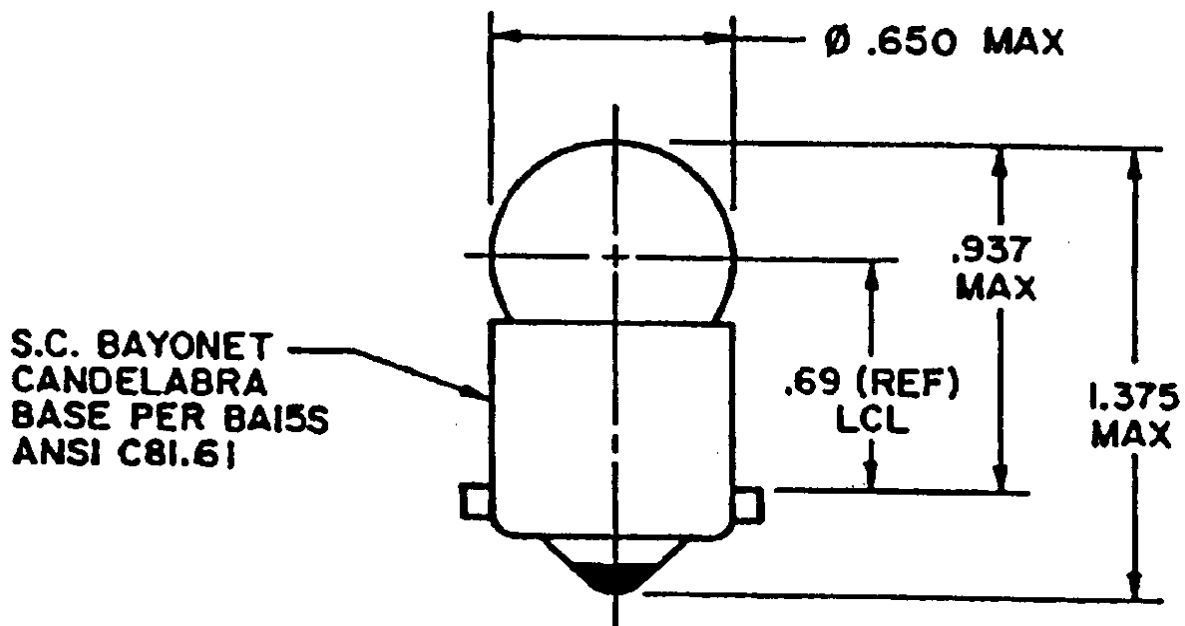


FIGURE 1. Configuration and dimensions.

See NOTES on the next page.

AMSC N/A

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DISTRIBUTION STATEMENT A. Approved for public release; distribution is unlimited.

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NOTES:

1. Dimensions are in inches
2. Intended use - aircraft indicator and interior lighting applications.
3. For design feature purposes, This specification takes precedence over procurement documents referenced herein.
4. Qualification by similarity - Lamp M6363/10-1 may be qualified by similarity and extension of qualification from M6363/11-2 with no additional testing. Refer to MIL-DTD-6363 for conditions and data requirements for qualification.

REQUIREMENTS:

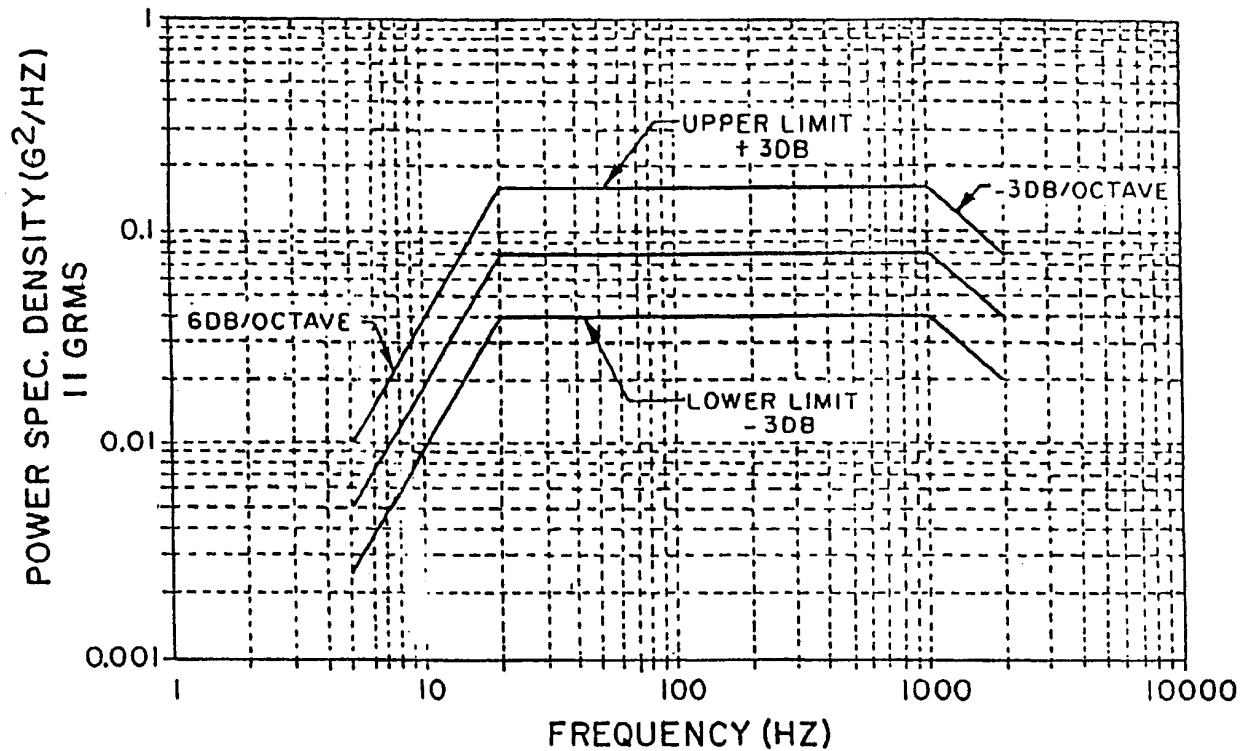
1. Configuration and dimensions: See figure 1.
2. Finish: Glass globe finish shall be as indicated in table I.

TABLE I. Part or identifying numbers (PIN) and operating characteristics.

Part or Identifying Number (PIN)	Type MIL-DTL-6363	Bulb Finish	Shock Test Level (G's)	Electrical Ratings			Filament Style	MSCD $\pm 25\%$	Average Rated Lab Life at DC
				Volts (Nom)	Amperes ($\pm 10\%$)	Watts (Max)		Candelas	Hours
M6363/10-1	I	Clear	50	28.0	0.17	5.32	C-2F	3	500

3. Lamp operating characteristics: When operated at rated voltage, the lamp operating characteristics shall be as specified in table I.
4. Coating adhesion: Not applicable.
5. High temperature: Applicable for qualification tests only (85°C/185°F°).
6. Thermal shock: Applicable for qualification tests only. Use temperatures for Type I lamps.
7. Random vibration: Applicable for qualification tests only. See figure 2 for random vibration curve.
8. Shock: Applicable for qualification tests only. See table I for applicable “g” level.
9. Humidity: Applicable for qualification tests only.
10. Salt spray: Applicable for qualification tests only.

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Freq Hz	Vibration Level PSD (G²/Hz)	Upper Limit (+3 DB) PSD (G²/Hz)	Lower Limit (-3 DB) PSD (G²/Hz)
5	0.005	0.01	0.0025
10	0.02	0.04	0.01
20	0.08	0.16	0.04
1000	0.08	0.16	0.04
2000	0.04	0.08	0.02

FIGURE 2. Random vibration curve for G-5 lamps.

11. Marking: Production lamps qualified to MIL-DTL-6363 and listed on QPL-6363 shall be marked in accordance with ANSI-C78.390 and as supplemented herein. ANSI-C78.390

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authorized suffix letters shall be supplemented with the letter “Q” (MIL-DTL-6363 QPL item). The letter “Q” shall be incorporated into the method of designation in accordance with the following example:

EXAMPLE

	<u>XXX</u>	<u>XXX</u>	<u>Q</u>
Manufacturers			
Identification			
Industry			
(ANSI)			
Lamp Part number			
			Qualified to MIL-DTL-6363

12. Interchangeability: These lamps may be similar to, but are not interchangeable with, other commercial or military lamps due to unique aircraft applications and qualification.

There are no technical changes in this revision.

CONCLUDING MATERIAL

Custodians:

Army - AV
Navy - AS
Air Force - 99

Preparing activity

Navy - AS
(Project 6240-1441-10)

Review activities:

Navy - MC, SH
Air Force - 11, 82
DLA - GS