

INDIVIDUAL MILITARY SPECIFICATION SHEET
ELECTRON TUBE, RECEIVING, TRIODE, TYPE
JAN-708A

This specification sheet forms a part of the latest issue of Military Specification MIL-E-1.

Description: UHF Triode, Receiving

Ratings:	Ef	Eb	Ib	Ic	Pp	Alt
Absolute	V	Vdc	mAdc	mAde	W	ft
Maximum:	1.7 5 6	350	50	12	15	10,000
Test Cond.:	1.7 Vac	350	---	---	---	---

*Dimensions: As Per Outline

**Cathode: Thoriated Tungsten Filament

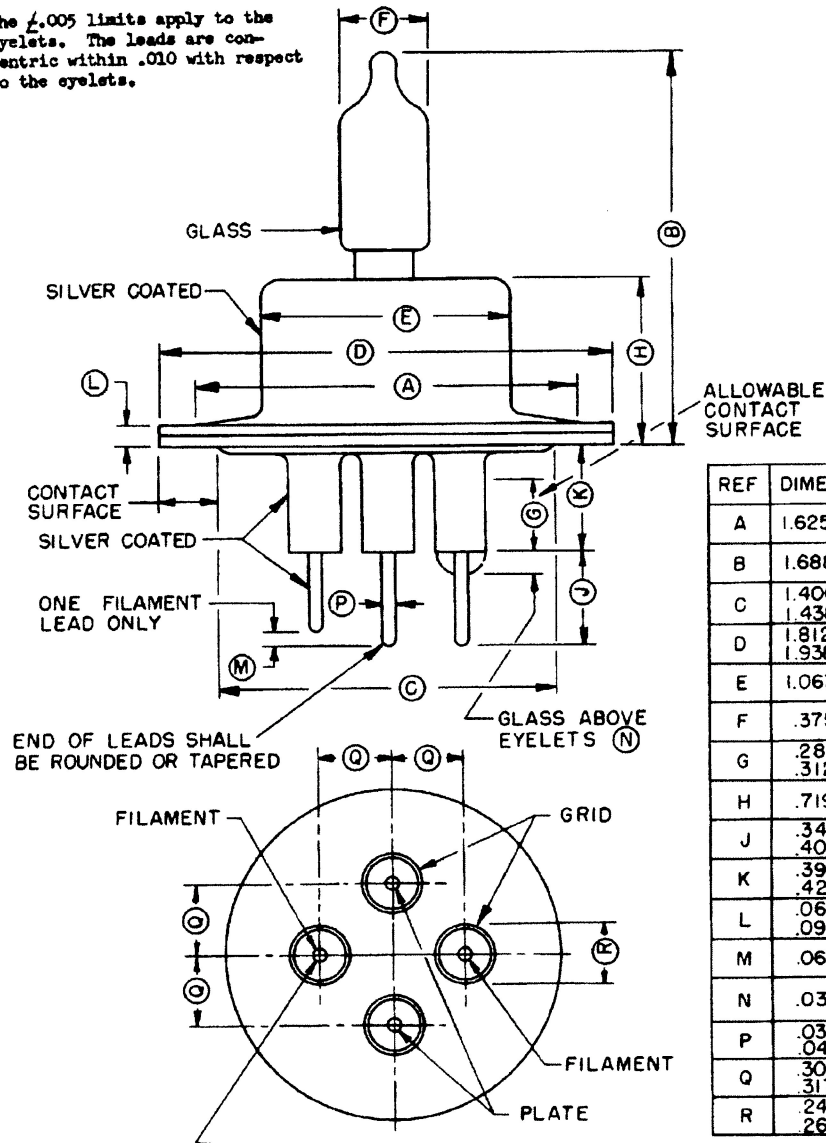
**Pin Connections: As Per Outline

For miscellaneous requirements, see Paragraph 3.3, Inspection Instructions for Electron Tubes.

Ref.	Test	Conditions	Min.	Max.
3.1	Qualification Approval:	Required for JAN Marking		
4.9.18.1.1	Carton Drop:	(d) Package Group 1; Carton Size L		
4.9.19.1	*Vibration:	Eb=300Vdc; Ec/Ib= 10mAde; Rp=2000	Ep: ---	500 mVac
4.10.8	Filament Current:		If: 1.7	2.0 A
4.10.6.1	†Grid Current:	Ec/Ib=40mAde	Ic: 0	-5.0 uAde
4.10.6.2	†Grid Emission:		Ic: 0	-4.0 uAde
4.10.6.5	†Gas Current:		Ic: ---	-1.0 uAde
4.10.9	Transconductance (1):	Ec/Ib=40mAde	Sm: 1425	3500 umhos
4.10.9	Transconductance (2):	Eb=100Vdc; Ec/Ib= 3mAde	Sm: 400	--- umhos
4.10.11.1	Amplification Factor:	Ec/Ib=40mAde	Mu: 7.1	16.0
4.10.1.3	Peak Emission:	eb=ec=500v	Is: 200	--- ma
4.10.14	Capacitance:		Cgp: 2.8 Cin: 2.0 Cout: ---	3.4 uuf 3.0 uuf 0.2 uuf
4.11	Life Test:	Group B; Ec/Ib=35mAde	t: 250	--- hrs
4.11.4	Life Test End Point:	Peak Emission	Is: 150	--- ma

Note 1 Reference specification shall be of the issue in effect on the date of invitation for bid.

The $\pm .005$ limits apply to the eyelets. The leads are concentric within .010 with respect to the eyelets.



REF	DIMENSIONS
A	1.625 NOM
B	1.688 MAX
C	1.406 MIN 1.438 MAX
D	1.812 MIN 1.938 MAX
E	1.063 NOM
F	.375 MAX
G	.281 MIN .312 MAX
H	.719 NOM
J	.344 MIN .406 MAX
K	.390 MIN .422 MAX
L	.063 MIN .094 MAX
M	.063 NOM
N	.031 MAX
P	.035 MIN .045 MAX
Q	.307 MIN .317 MAX
R	.245 MIN .260 MAX

Connectors to leads should be of such a design that strains on the glass beads will be avoided.