

THIS SHEET OF TEST LIMITS IS A PART OF SPECIFICATION JAN-1A

Description: Cold Cathode Gas Discharge Tube

Ratings	Ea	Ia	F	Test
Absolute	Vdc	mAdc	pps	Circuit
Maximum:	1900	25(note 1)	10	
Test Cond.:	---	---	---	As per diagram Note 6
Dimensions: As per Outline				

Ref.	Test	Conditions	Min.	Max.
F-6a	Drop:			
F-6b(1)	*Vibration:	10G;t=30;No Voltages		
F-6b(1)	*Vibration:	2.5G;t=300;No Voltages		
---	Starting Voltage:	Note 2	Ea: ---	1300 Vdc
---	Frequency Range:	Ea=1650Vdc;F=2 to 10 pps		Note 3
---	Breakdown Voltage:	Note 4	Ea: 2000	--- Vdc
---	*Heat Test:	T=+145°F		Normal Operation
---	*Cold Test:	T=-35°F		Normal Operation
F-4	Life Test:	Group C;Ea=1650Vdc; F=10pps;C=luf	t: 300	--- hrs
F-4b	Life Test End Point:			Note 5

Note 1: Discharge of 1-uf condenser at 1900 Vdc.

Note 2: Set voltage across discharge condenser to 1300 Vdc; turn on trigger circuit; tube should fire.

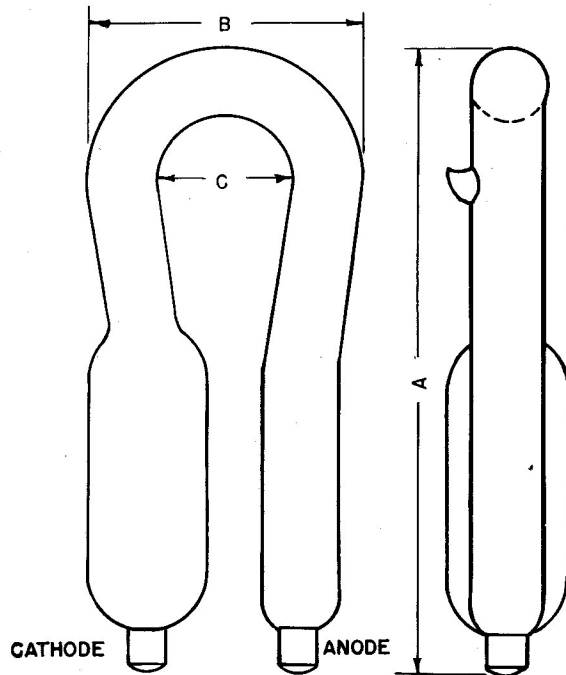
Note 3: Set voltage across discharge condenser to 1650 Vdc and adjust triggering circuit to 2 pps and 10 pps. Tube should fire regularly at these speeds.

Note 4: With trigger circuit off, adjust voltage across discharge condenser to 2000 Vdc. Tube should not fire.

Note 5: Tube will not fire, shows a continuous discharge, or fires erratically.

Note 6: Trigger potentials are supplied through an automobile ignition transformer or its equivalent, with secondary voltage of 20,000 to 30,000

volts. Connection to the tube is by means of a few turns of bare wire around the tube at the center of the U-bend, covering not over one inch. Keying supply: Primary of transformer supplied with voltage pulses, electronically or mechanically developed.



DIMENSIONS IN INCHES		
DIM.	MIN.	MAX.
A		6.187
B		2.625
C	1.125	

TEST CIRCUIT
TYPE SS501

