

JOINT ELECTRON TUBE ENGINEERING COUNCIL

ELECTRON TUBE TYPE - 8612

J2-C1-5
11/23/64

The 8612 is a two electrode gas filled cold cathode tube primarily for use in voltage regulator applications operating in the corona mode.

Maximum Ratings, Absolute Values

Maximum dc Cathode Current - peak pulse	900	μa
Minimum dc Cathode Current	50	μa
Ambient Temperature Limits and/or Bulb Temperature Limits	-65 to +125	°C

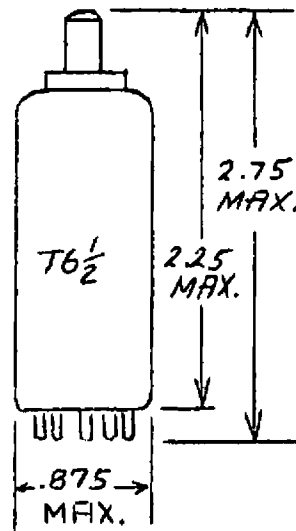
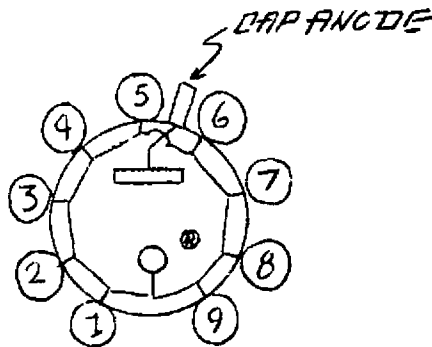
Electrical Data Throughout Life

	<u>Min.</u>	<u>Bogey</u>	<u>Max.</u>	
Anode Voltage Drop at 100μa	5825	6000	6175	Volts
Anode Breakdown Voltage (1) in Darkness			6600	Volts
(2) in Light			6600	Volts
Regulation 50 to 500μa			55	Volts
Temperature Coefficient of Voltage Drop (Note 3) -65°C to +125°C Ambient		475		mV/°C
Repeatability Note 1 and 2			60	Volts

Mechanical Data

Mounting Position - any
 Net Weight, Maximum - .62 oz.

Outline



E.I.A. Outline 6-7 except C1-3 Cap

Basing

Top Cap - anode, pins - cathode

- Note 1: Tube operated at 100μa of current at 25°C ambient temperature.
- Note 2: Maximum change of Tube Voltage Drop, as measured before and after a seven-day non-operating hold period.
- Note 3: Tube operated at 100μa.