

ENGINEERING DATA

CBS-HYTRON

TUBES AND SEMICONDUCTORS

A Division of Columbia Broadcasting System, Inc.
Danvers, Massachusetts

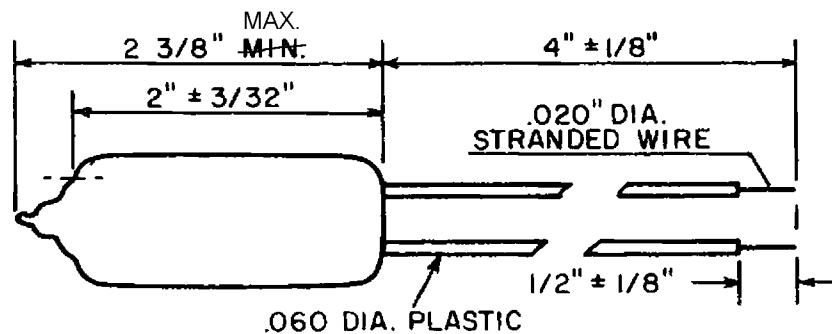
CBS 6830 - 6831

GASEOUS VOLTAGE REGULATORS

Constructed with flying leads which eliminate the need for a socket, the CBS types 6830 and 6831 are gaseous voltage regulators that can be used where wired-in terminals are desired. Encased in miniature envelopes, these units are especially suitable for packaging where compactness and light weight are prime objectives.

MECHANICAL DATA

Cathode	Cold
Maximum diameter	3/4 inch
Maximum over-all length	6 1/2 inches
Maximum bulb length	2 3/8 inches
Bulb	T-5 1/2
Base	Miniature glass button with flying leads
Basing	2AV
Mounting position	Any
Terminals	
Lead 1, red code	Anode
Lead 2, black code	Cathode



ELECTRICAL DATA

MAXIMUM RATINGS (Absolute Values)

Voltage Regulator Service

Cathode current maximum, d-c	30	ma
Cathode current minimum, d-c	5	ma

CHARACTERISTICS AND TYPICAL OPERATION

Voltage Regulator Service

	<u>6830</u>	<u>6831</u>	
Anode supply voltage minimum, d-c	185	133	volts
Anode breakdown voltage (normal ambient light) max.	185	133	volts
Operating voltage, avg.	150	108	volts
Regulation (5-30 ma)* avg.	2.0	1.0	volts

*Regulation is defined as the maximum allowable difference in tube voltage drop measured between the two current points within the tube's current rating range (5-30 ma) which indicate the largest difference in tube drops.

TYPICAL OPERATION CHARACTERISTICS

