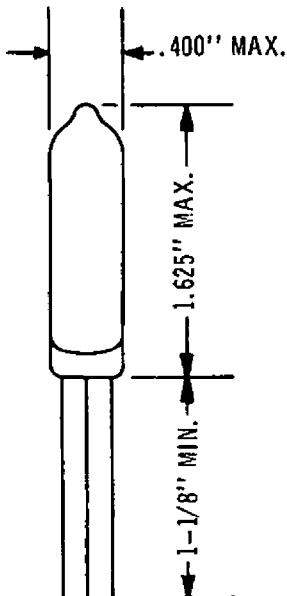




# CORONA VOLTAGE REGULATOR

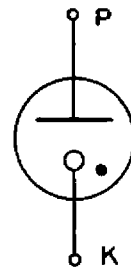


The 5950 is a subminiature corona voltage regulator or reference tube designed for use in high voltage, low current applications.

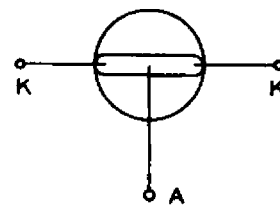
Use of this tube to stabilize the outputs of battery operated radio frequency or vibrator power supplies is economically effected. Voltage regulation in such applications is good over a suitable range of current.

Because of the small difference between the starting and regulating potentials, oscillatory operation is not generally encountered. This applies even with high values of shunt capacity.

The 5950 is suitable for use with most of the 700 volt halogen quench counter tubes.



SYMBOL



BASE VIEW

## CHARACTERISTICS

D. C. STARTING VOLTAGE . . . . . (MAX)	735	VOLTS	
D. C. REGULATED VOLTAGE (@ 20 $\mu a$ ) . . . . .	700	VOLTS	$\pm 2\%$
VOLTAGE REGULATION (2-50 $\mu a$ ) . . . . . (MAX)	1.5	%	
LIFE . . . . .	UNLIMITED BY USE		

## RATINGS

REGULATOR CURRENT* . . . . . (MAX)	100	$\mu a$
RELATIVE HUMIDITY . . . . . (MAX)	100	%
AMBIENT TEMPERATURE RANGE . . . . .	-65 to +100	$^{\circ}C$

\* MINIMUM SERIES RESISTANCE. MUST BE SUCH AS TO LIMIT THE CURRENT TO 100  $\mu a$  UNDER THE MINIMUM LOAD CONDITIONS WITH MAXIMUM SUPPLY VOLTAGE APPLIED.



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