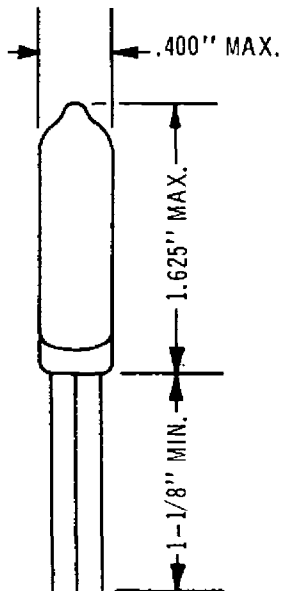


CORONA VOLTAGE REGULATOR

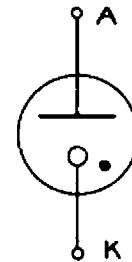


The 5841 is a subminiature corona voltage regulator or reference tube designed for use in high voltage, low current applications.

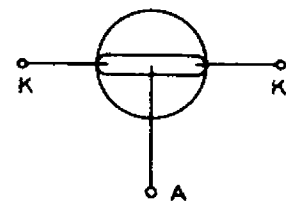
Use of this tube to stabilize the outputs of battery operated radio frequency or vibrator power supplies is economically effected. Voltage regulation in such applications is good over a suitable range of current.

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 5841 is used to stabilize the supply voltage for the 1B85 counter tube, or the 5819 photo multiplier tube and other similar applications.



SYMBOL



BASE VIEW

CHARACTERISTICS

D. C. STARTING VOLTAGE (MAX)	940	VOLTS
D. C. REGULATED VOLTAGE (@ 20 μa)	900	VOLTS $\pm 2\%$
VOLTAGE REGULATION (2-50 μa) (MAX)	1.5	%
LIFE	UNLIMITED	BY USE

RATINGS

REGULATOR CURRENT* (MAX)	100	μa
RELATIVE HUMIDITY (MAX)	100	%
AMBIENT TEMPERATURE RANGE	-60 to +100	$^{\circ}C$

* MINIMUM SERIES RESISTANCE, MUST BE SUCH AS TO LIMIT THE CURRENT TO 100 μa UNDER THE MINIMUM LOAD CONDITIONS WITH MAXIMUM SUPPLY VOLTAGE APPLIED.

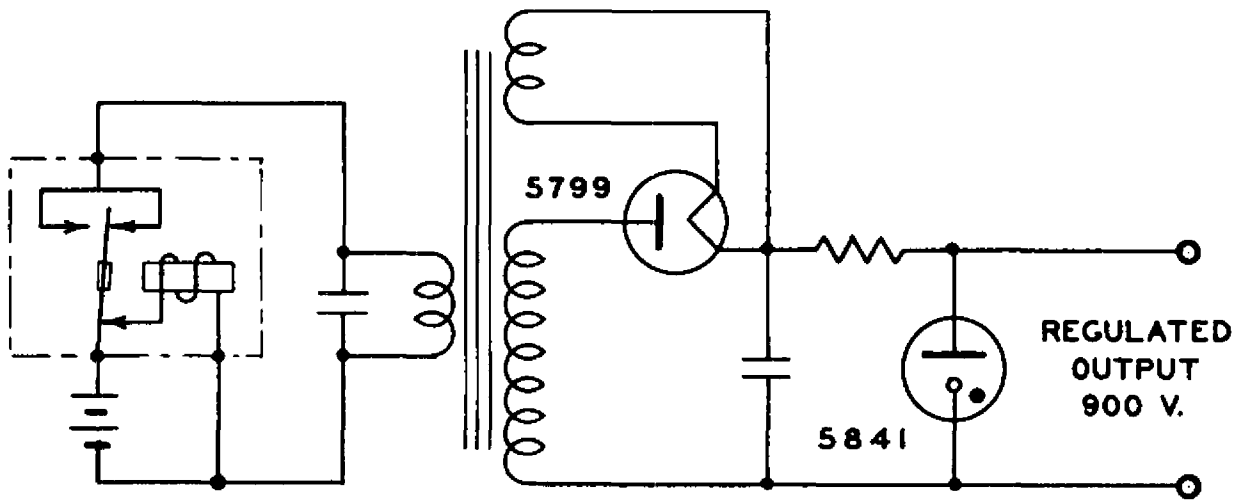


THE VICTOREEN INSTRUMENT CO.

COMPONENTS DIVISION

3800 PERKINS AVENUE, CLEVELAND 14, OHIO

TYPICAL CIRCUIT



TUBE CHARACTERISTICS

