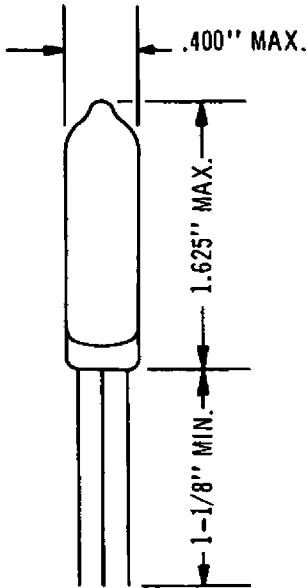
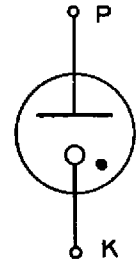


**CORONA VOLTAGE REGULATOR**

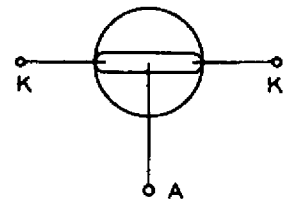


The 6143 is a subminiature corona voltage regulator designed for use in high voltage, low current applications. Use of this tube to stabilize the outputs of battery operated radio frequency or vibrator power supplies is economically effected. Voltage regulation in such applications is good over a suitable 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.



SYMBOL



BASE VIEW

**CHARACTERISTICS**

|   |                  |       |           |
|---|------------------|-------|-----------|
| D. C. STARTING VOLTAGE . . . . . (MAX)              | 1260             | VOLTS |           |
| D. C. REGULATED VOLTAGE ( @ 25 $\mu a$ ) . . . . .  | 1200             | 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 MINIMUM LOAD CONDITIONS WITH MAXIMUM SUPPLY VOLTAGE APPLIED.



**THE VICTOREEN INSTRUMENT CO.**

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