



*Excellence in Electronics*

**TYPE  
CK1038**

The CK1038 is a corona discharge voltage regulator tube of subminiature construction designed for 900 volt operation and a current range of 5 to 55 microamperes. The flexible terminal leads may be soldered or welded directly to the terminals of circuit components without the use of sockets. Standard subminiature sockets may be used by cutting the leads to 0.20" length.

**MECHANICAL DATA**

ENVELOPE: T-3 Glass

BASE: None (0.016" tinned flexible leads. Length: 1.50"  
Spacing: 0.10" center-to-center)

TERMINAL CONNECTIONS:

Lead 1 Cathode                      Lead 5 Cathode  
Lead 3 Anode

**ELECTRICAL DATA**

DESIGN CENTER MAXIMUM RATINGS:

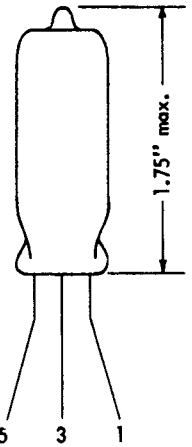
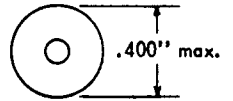
Regulator Current  
Temperature Range

125  $\mu$ a.  
-55 to +70  $^{\circ}$ C

CHARACTERISTICS AND TYPICAL OPERATION:

DC Starting Voltage (approx.)  
Operating Current Range  
Operating Voltage Range at 25  $\mu$ a.  
Operating Voltage at 5  $\mu$ a.  
Operating Voltage at 55  $\mu$ a.  
Life  
Regulation

930 volts  
5 to 55  $\mu$ a.  
885 to 915 volts D.C.  
880 volts min.  
925 volts max.  
500 hrs. min.  
15 volts max.



Tentative Data

**RAYTHEON MANUFACTURING COMPANY**

RECEIVING AND CATHODE RAY TUBE OPERATIONS