

Miniature gas-filled tube with auxiliary ignition electrode (priming anode) and intended for use as a voltage stabiliser.

PRELIMINARY DATA

LIMITING VALUES (absolute ratings)

Min. voltage necessary for ignition	110	V
Max. burning current	22	mA
Min. burning current	2.0	mA

CHARACTERISTICS (measured at 10mA)

*Max ignition voltage	110	V
Burning voltage (variation from tube to tube)	70 to 80	V
Max. burning voltage difference over current range 2 to 20mA	6.0	V

*The auxiliary ignition electrode (priming anode) should be connected to the anode through a nominal 15k Ω resistor.

OPERATING NOTES

1. To obtain a good life a reverse current must not be drawn from this tube. This condition is satisfied if any inverse voltage does not exceed 65V.
2. The maximum ignition voltage quoted is the greatest voltage which is necessary to ignite any tube in the presence of an ambient illumination of 5 to 50 foot-candles. A voltage of at least this value must be available if reliability of ignition is to be obtained. In complete darkness there may be some delay in igniting the tube.
3. The noise generated by the tube over the frequency range (50 to 5,000 c/s) and at a constant current (2 to 20mA) is less than 45mV_{r.m.s.}

75B1

STABILISING TUBE

Miniature gas-filled tube with auxiliary ignition electrode (priming anode) and intended for use as a voltage stabiliser.

1881

