

STABILISING TUBE

150C2

Gas-filled two-electrode tube intended
for use as a voltage stabiliser.

This data should be read in conjunction with the GENERAL OPERATIONAL RECOMMENDATIONS—VOLTAGE STABILISER AND REFERENCE LEVEL TUBES which precede this section of the handbook.

LIMITING VALUES (absolute ratings)

Minimum voltage necessary for ignition	185	V
Burning current		
Maximum	30	mA
Minimum	5.0	mA
Maximum negative anode voltage	140	V
Ambient temperature limits	-55 to +90	°C

CHARACTERISTICS (measured at 17.5mA)

Maintaining voltage	150	V
Maximum difference between maintaining voltages at $I_a = 30\text{mA}$ and $I_a = 5.0\text{mA}$	6.0	V
Maximum percentage variation of maintaining voltage during 1000 hours	± 2.0	%

OPERATING NOTES

1. The maximum ignition voltage quoted is the greatest voltage which is necessary to ignite any tube in the presence of some ambient illumination. A voltage of at least this value must be available if reliability of ignition is to be obtained. In complete darkness there may be considerable delay in igniting the tube. If instantaneous ignition is required in darkness a voltage of not less than 225V is required.
2. Equilibrium conditions are normally reached after 3 minutes' operation.

I50C2

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