



QS1215

VOLTAGE STABILIZER

Service Type CV5173

The data to be read in conjunction with the Voltage Stabilizer Preamble.

DESCRIPTION

The QS1215 is a single gap cold cathode gas-filled voltage stabilizer with a B7G base. It is designed to provide a sensibly constant voltage output of 90 volts over the current range 1.0 to 40mA. Radio-active material is used in the tube to give the same maximum striking voltage in total darkness and normal room lighting.

GENERAL DATA

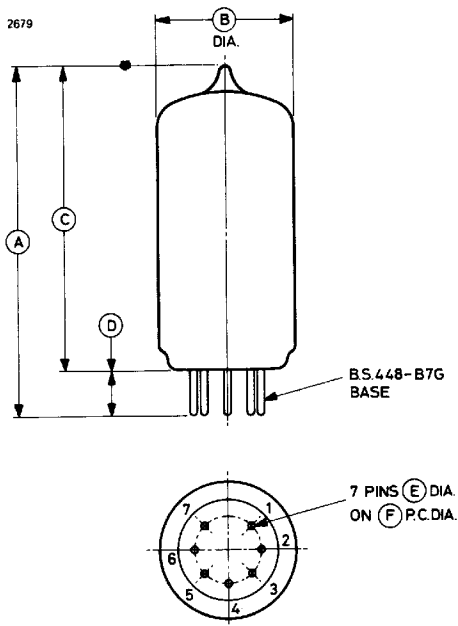
Characteristics

Striking voltage in normal lighting	115	V max
Striking voltage in total darkness	115	V max
Operating voltage at 20mA	90 ⁺² -4	V
Cathode current range	1.0 to 40	mA
Regulation over current range	12	V max
Variation of operating voltage with life during 1000 hours at 20mA	±1.0	% max
Ambient temperature range	-55 to +70	°C
Inverse voltage	80	V max
Shunt capacitance	0.1	μF max

Mechanical

Overall length	2.126 inches (54.0mm) max
Seated height	1.874 inches (47.6mm) max
Overall diameter	0.748 inch (19.0mm) max
Mounting position	any
Base	B.S.448-B7G

OUTLINE (All dimensions without limits are nominal)



Ref	Inches	Millimetres
A	2.126 max	54.0 max
B	0.748 max	19.0 max
C	1.874 max	47.6 max
D	0.281 max	7.14 max
E	0.040	1.02
F	0.375	9.53

Pin	Element
1	Anode
2	Cathode
3	Internal connection
4	Cathode
5	Anode
6	Internal connection
7	Cathode

Millimetre dimensions have been derived from inches.