

ELECTRONIC TUBE REFERENCE

QS15045

Voltage Regulator electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

VOLTAGEREGULATOR

Single-gap 150 V gas stabilizer with ignition electrode and broad approximately 5-45 mA operating range.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	— / —	PARALLEL HEATER	— / —
HEATING	Indirect; cold cathode	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Voltage Regulator	
REGULATOR VOLTAGE	150 V
MINIMUM REGULATOR CURRENT	5 mA
MAXIMUM REGULATOR CURRENT	45 mA
STARTING VOLTAGE	170 V
MAINTAINING VOLTAGE	150 V
Published maximum ratings and characteristics audited; remaining useful numerical data retained in parameter table.	

A single-gap gas-filled voltage stabilizer providing approximately 150 V regulated output, intended for stabilized DC power supplies.

SOURCE OPERATING CONDITIONS

1955 Marconi

Published test conditions and operating points. Values on this page are preserved as reported by this source.

1955 MARCONI

Section 1 · Voltage Regulator

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
S VOLTAGE STABILISERS QS1 [1]	8 V	S VOLTAGE STABILISERS QS108/45
S VOLTAGE STABILISERS QS1 [2]	45 V	S VOLTAGE STABILISERS QS108/45
Stability {([1]	1000	Stability {(1000 hr, period) T 2) %
Stability {([2]	2	Stability {(1000 hr, period) T 2) %
+ With ignition electrode connected to [1]	150	+ With ignition electrode connected to 150 V supply via 100 kQ series resistor.
+ With ignition electrode connected to [2]	100	+ With ignition electrode connected to 150 V supply via 100 kQ series resistor.
tt+ With ignition electrode connected to [1]	200	tt+ With ignition electrode connected to 200 V supply via 100 kQ series resistor.
tt+ With ignition electrode connected to [2]	100	tt+ With ignition electrode connected to 200 V supply via 100 kQ series resistor.
calculating the value of series resistor, an ignition current of approximately	10 mA	calculating the value of series resistor, an ignition current of approximately 10 mA
Stabilized voltage	150 V	Published regulated voltage.
Tube current minimum	5 mA	Minimum maintaining current.
Tube current maximum	45 mA	Maximum operating current.
Ignition voltage	170 V	Published minimum or maximum ignition/start voltage as applicable.

TUBE TINKER

An independent reference for electronic tubes, vacuum tubes, and their source documents.

