



ELECTRONIC TUBE REFERENCE

CV287

Voltage Regulator electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

VOLTAGEREGULATOR

Gas-filled 150 V voltage stabilizer operating over approximately 2-15 mA for low-current professional and instrumentation circuits.

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

SECTION 1 Voltage Regulator	
REGULATOR VOLTAGE	150 V
MINIMUM REGULATOR CURRENT	2 mA
MAXIMUM REGULATOR CURRENT	15 mA
STARTING VOLTAGE	177 V
MAINTAINING VOLTAGE	150 V
Published maximum ratings and characteristics audited; remaining useful numerical data retained in parameter table.	

A miniature gas-filled voltage stabilizer providing approximately 150 V regulated output for compact stabilized DC 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
VOLTAGE STABILISERS QS9 [1]	5 V	VOLTAGE STABILISERS QS95/10
VOLTAGE STABILISERS QS9 [2]	10 V	VOLTAGE STABILISERS QS95/10
Stability {([1]	1000	Stability {(1000 br. period) £2 +7 fish %
Stability {([2]	2	Stability {(1000 br. period) £2 +7 fish %
Stability {([3]	7	Stability {(1000 br. period) £2 +7 fish %
calculating the value of series resistor, an ignition current of approximately	4 mA	calculating the value of series resistor, an ignition current of approximately 4 mA should
Types QS9 [1]	5	Types QS95/10 and QS150/15 are fitted with ignition electrodes to facilitate
Types QS9 [2]	10	Types QS95/10 and QS150/15 are fitted with ignition electrodes to facilitate
Types QS9 [3]	50	Types QS95/10 and QS150/15 are fitted with ignition electrodes to facilitate
Types QS9 [4]	15	Types QS95/10 and QS150/15 are fitted with ignition electrodes to facilitate
Stabilized voltage	150 V	Published regulated voltage.
Tube current minimum	2 mA	Minimum maintaining current.
Tube current maximum	15 mA	Maximum operating current.
Ignition voltage	177 V	Published minimum or maximum ignition/start voltage as applicable.

TUBE TINKER

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

