

ELECTRONIC TUBE REFERENCE

QS7520

Voltage Regulator electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

VOLTAGEREGULATOR

Miniature 75 V gas stabilizer operating over approximately 2-20 mA for compact regulated DC supplies.

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	75 V
MINIMUM REGULATOR CURRENT	2 mA
MAXIMUM REGULATOR CURRENT	20 mA
STARTING VOLTAGE	110 V
MAINTAINING VOLTAGE	75 V
Published maximum ratings and characteristics audited; remaining useful numerical data retained in parameter table.	

A miniature gas-filled voltage stabilizer providing approximately 75 V regulated output for compact stabilized DC supplies.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

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	75 V	Published regulated voltage.
Tube current minimum	2 mA	Minimum maintaining current.
Tube current maximum	20 mA	Maximum operating current.
Ignition voltage	110 V	Published minimum or maximum ignition/start voltage as applicable.

TUBE TINKER

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

