



ELECTRONIC TUBE REFERENCE

QS15040

Voltage Regulator electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

VOLTAGEREGULATOR

Single-gap 150 V gas stabilizer for approximately 5-40 mA operation in regulated DC power 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	150 V
MINIMUM REGULATOR CURRENT	5 mA
MAXIMUM REGULATOR CURRENT	40 mA
STARTING VOLTAGE	180 V
MAINTAINING VOLTAGE	150 V
<i>Published maximum ratings and characteristics audited; remaining useful numerical data retained in parameter table.</i>	

A gas-filled single-gap voltage stabilizer providing approximately 150 V regulated output for 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 STABILISER QS1 [1]	50 V	VOLTAGE STABILISER QS150/40
VOLTAGE STABILISER QS1 [2]	40 V	VOLTAGE STABILISER QS150/40
Stability {([1]	1000	Stability {(1000 hr, period) *2 ¥2 %
Stability {([2]	2	Stability {(1000 hr, period) *2 ¥2 %
Stability {([3]	2	Stability {(1000 hr, period) *2 ¥2 %
Published value	10 mA	10 mA should be allowed in addition to the load current.
Stabilized voltage	150 V	Published regulated voltage.
Tube current minimum	5 mA	Minimum maintaining current.
Tube current maximum	40 mA	Maximum operating current.
Ignition voltage	180 V	Published minimum or maximum ignition/start voltage as applicable.

TUBE TINKER

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