



ELECTRONIC TUBE REFERENCE

CV216

Voltage Regulator electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

VOLTAGEREGULATOR

British gas-filled 150 V voltage stabilizer for roughly 5–40 mA operation in communications and professional electronic equipment.

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	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>	

Cold-cathode gas-filled voltage stabiliser for industrial and radio equipment.

SOURCE OPERATING CONDITIONS

1946 Standard Telephone and Cables

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

1946 STANDARD TELEPHONE AND CABLES

Section 1 · Voltage Regulator

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Nominal stabilising voltage	150 V	Published datasheet value
DC operating current minimum	5 mA	Published datasheet value

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
DC operating current maximum	30 mA	Published datasheet value

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 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.

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
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.