



ELECTRONIC TUBE REFERENCE

CV4020

Voltage Regulator electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

VOLTAGEREGULATOR

British 150 V gas stabilizer with predictable striking voltage in normal light or darkness for reliable heaterless regulation.

GENERAL CHARACTERISTICS

BASE DESIGNATION	B7G	BASE PINS	7
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	30 mA
STARTING VOLTAGE	165 V
MAINTAINING VOLTAGE	150 V

Single-gap cold-cathode gas-filled voltage stabilizer providing approximately 150 V over a 5 to 30 mA current range. Explicit equivalent/service designation printed in approved source.

SOURCE OPERATING CONDITIONS

1971 English Electric Valve

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

1971 ENGLISH ELECTRIC VALVE

Section 1 · Voltage Regulator

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Operating voltage	150 V	Approximate

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Cathode current range	5 mA–30 mA	—
Striking voltage in normal lighting	165 V	—
Striking voltage in total darkness	165 V	—