



ELECTRONIC TUBE REFERENCE

4687A

Voltage Regulator electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

VOLTAGEREGULATOR

Neon-filled cold-cathode stabilizing tube for shunt voltage regulation, with approximately 90–110 V burning voltage.

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	
MINIMUM REGULATOR CURRENT	10 mA
MAXIMUM REGULATOR CURRENT	40 mA
STARTING VOLTAGE	130 V
MAINTAINING VOLTAGE	100 V
DYNAMIC IMPEDANCE	250 Ω
<i>Published burning-voltage range 90-110 V; quiescent current 20 mA.</i>	

The Mullard 4687A is a neon-filled voltage-stabilising tube with a 90-110 V burning range.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1951 Mullard Valve and Service Manual

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

1951 MULLARD VALVE AND SERVICE MANUAL

Section 1 · Voltage Regulator

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Burning Voltage Minimum	90 V	—
Burning Voltage Maximum	110 V	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Quiescent Current	20 mA	—