



ELECTRONIC TUBE REFERENCE

6438

Voltage Regulator electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

VOLTAGEREGULATOR

Cold-cathode corona-discharge regulator for high-voltage, low-current stabilization and reference service in instrumentation and specialized electronic 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

SECTION 1 Voltage Regulator	
REGULATOR VOLTAGE	1200 V
MINIMUM REGULATOR CURRENT	0.005 mA
MAXIMUM REGULATOR CURRENT	0.125 mA
STARTING VOLTAGE	1400 V
MAINTAINING VOLTAGE	1200 V
<i>Published ratings and characteristics promoted where clearly stated; identical repeated sections compressed where applicable.</i>	

Cold-cathode corona-discharge subminiature voltage regulator maintaining approximately 1200 V over a very low-current operating range.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1938 Raytheon

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

1938 RAYTHEON

Section 1 · Voltage Regulator

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maintaining or operating voltage	1200 V	Published nominal tube drop/operating voltage
Operating current	0.005 mA–0.125 mA	Published operating-current range
Starting or minimum supply voltage	1400 V	Published starting/minimum supply value