



ELECTRONIC TUBE REFERENCE

CK1037

Voltage Regulator electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

VOLTAGEREGULATOR

Cold-cathode high-voltage regulator providing approximately 700 V at extremely small currents for reference and stabilizing service.

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	700 V
MINIMUM REGULATOR CURRENT	0.005 mA
MAXIMUM REGULATOR CURRENT	0.1 mA
STARTING VOLTAGE	730 V
MAINTAINING VOLTAGE	700 V
Supplied handbook table and any explicit cross-reference/service row reviewed.	

Printed co-designation for the corresponding 700 V cold-cathode corona voltage regulator.



SOURCE OPERATING CONDITIONS

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	700 V	Published nominal tube drop/operating voltage
Operating current	0.005 mA–0.125 mA	Published operating-current range
Starting or minimum supply voltage	800 V	Published starting/minimum supply value



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

195X Raytheon Special Purpose Tubes

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

195X RAYTHEON SPECIAL PURPOSE TUBES

Section 1 · Voltage Regulator

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Minimum starting supply voltage	730 V	VoltageRegulatorService
Maximum operating current	0.1 mA	VoltageRegulatorService
Published application/classification	cold-cathode voltage regulator	Supplied handbook table

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Operating voltage	700 V	VoltageRegulatorService

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Minimum operating current	0.005 mA	VoltageRegulatorService
Maximum regulation	15 V	VoltageRegulatorService

TUBE TINKER

An independent reference for electronic tubes, vacuum tubes,
and their source documents.

[Catalog](#) [Tube types](#) [Full books](#) [Blog](#) [Feedback & corrections](#)

© 2026 Tube Tinker