



ELECTRONIC TUBE REFERENCE

CK1039

Voltage Regulator electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
VOLTAGEREGULATOR

Very-high-voltage Raytheon cold-cathode regulator maintaining approximately 1.2 kV at microampere currents for measurement and reference circuits.

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

SECTION1 Voltage Regulator	
REGULATOR VOLTAGE	1200 V
MINIMUM REGULATOR CURRENT	0.005 mA
MAXIMUM REGULATOR CURRENT	0.1 mA
STARTING VOLTAGE	1230 V
MAINTAINING VOLTAGE	1200 V
Supplied handbook table and any explicit cross-reference/service row reviewed.	

Printed co-designation for the corresponding 1200 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	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



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	1230 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	1200 V	VoltageRegulatorService

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Minimum operating current	0.005 mA	VoltageRegulatorService
Maximum regulation	25 V	VoltageRegulatorService

TUBE TINKER

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and their source documents.

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