



ELECTRONIC TUBE REFERENCE

CK1022

Voltage Regulator electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

VOLTAGEREGULATOR

Raytheon cold-cathode regulator maintaining approximately 1 kV at microampere currents for specialized high-voltage electronic and measurement 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	1000 V
MINIMUM REGULATOR CURRENT	0.005 mA
MAXIMUM REGULATOR CURRENT	0.055 mA
STARTING VOLTAGE	1100 V
MAINTAINING VOLTAGE	1000 V
Supplied handbook table and any explicit cross-reference/service row reviewed.	

Cold-cathode corona-discharge voltage regulator for high-voltage low-current supplies.



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

APPLICATION

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Application	HighVoltageRegulator text	—



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	1100 V	VoltageRegulatorService
Maximum operating current	0.055 mA	VoltageRegulatorService
Published application/classification	cold-cathode voltage regulator	Supplied handbook table

CHARACTERISTIC

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Operating voltage	1000 V	VoltageRegulatorService
Minimum operating current	0.005 mA	VoltageRegulatorService
Maximum regulation	20 V	VoltageRegulatorService

TUBE TINKER

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and their source documents.

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