

ELECTRONIC TUBE REFERENCE

8612

Voltage Regulator electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
VOLTAGEREGULATOR

Extremely high-voltage cold-cathode regulator maintaining approximately 6 kV at microampere currents for specialized high-voltage reference 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

SECTION1 Voltage Regulator
No fixed ratings recorded.

The 8612 is a gas-filled cold-cathode corona-mode voltage regulator providing approximately 6 kV reference voltage.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1964 RMA EIA

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

1964 RMA EIA

Section 1 · Voltage Regulator

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Peak Cathode Current	900 μA	Pulse
Minimum Cathode Current	50 μA	—

CHARACTERISTICS

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Anode Voltage Drop Minimum	5825 V	Ia=100uA
Anode Voltage Drop Nominal	6000 V	Ia=100uA
Anode Voltage Drop Maximum	6175 V	Ia=100uA
Breakdown Voltage	6600 V	DarkOrLight
Regulation	55 V	CurrentRange=50to500uA
Repeatability	60 V	—

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