



ELECTRONIC TUBE REFERENCE

6EA4

Triode - HV Shunt Regulator electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

High-voltage beam triode designed for shunt regulation in color-television high-voltage power supplies.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 200 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Triode	
MAXIMUM PLATE VOLTAGE	27000 V
MAXIMUM PLATE DISSIPATION	30 W
MAXIMUM CATHODE CURRENT	1.6 mA
<i>Published ratings/characteristics promoted from supplied source; additional conditions retained in parameter table.</i>	

High-voltage beam triode for shunt regulation in color-TV high-voltage supplies.

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 · Triode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater Voltage	6.3 V	—
Heater Current	200 mA	—
Effective Grid Plate Transconductance	200 μ S	ShuntRegulator

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate Supply Voltage Maximum	60000 V	—
Plate Voltage Maximum	27000 V	—
Peak Negative Grid Voltage Maximum	400 V	—
GridCircuitResistanceMaximum	3 Mohm	—
UnregulatedSupplyVoltage	36000 V	ShuntRegulator
ReferenceVoltage	200 V	ShuntRegulator
RegulatedOutputVoltageZeroLoad	25000 V	ShuntRegulator
RegulatedOutputVoltage1mALoad	24500 V	ShuntRegulator