



ELECTRONIC TUBE REFERENCE

6MA6

Triode - HV Shunt Regulator electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

GE 6MA6 high-voltage beam triode for color-TV shunt regulation, rated 30 kV and 40 W with built-in X-ray shielding.

GENERAL CHARACTERISTICS

BASE DESIGNATION	8NP	BASE PINS	8
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	
TRANSCONDUCTANCE	0.0002 S
MAXIMUM PLATE VOLTAGE	30000 V
MAXIMUM PLATE DISSIPATION	40 W
MAXIMUM CATHODE CURRENT	1.5 mA
GE 6MA6 beam triode HV shunt regulator. Absolute max DC plate 30000 V, plate dissipation 40 W, DC plate current 1.5 mA. Negative DC grid voltage max magnitude 135 V, peak negative grid 440 V, heater-cathode heater negative 450 V, heater positive not recommended, grid circuit resistance 3 MΩ. Effective grid-plate gm 0.0002 A/V. Direct Cgp 0.03 pF, input 2.4 pF, output 0.88 pF. Built-in X-ray shielding, but can produce dangerous soft X-rays if operated beyond ratings. High-voltage top-cap and interlock precautions essential.	

Low-current high-voltage beam triode for color-TV high-voltage shunt-regulator service, with X-radiation shielding and controls.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1968 General Electric Co

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

1968 GENERAL ELECTRIC CO

Section 1 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Plate Voltage	30000 V	—
Maximum Plate Dissipation	40 W	—
Maximum Cathode Current	1.5 mA	—
X-Ray Radiation Rating Present	true	—

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Transconductance	200 μ S	—

TUBE TINKER

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and their source documents.

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