

ELECTRONIC TUBE REFERENCE

6JD5

Power - Triode electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
TRIODE

Duodecar pulse-regulator triode for the high-voltage power supply of color television receivers.

GENERAL CHARACTERISTICS

BASE DESIGNATION	12JE	BASE PINS	12
NOMINAL HEATER	6.3 V / 2.4 A	PARALLEL HEATER	– / –
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
PLATE RESISTANCE	4600 Ω
TRANSCONDUCTANCE	0.055 S
AMPLIFICATION FACTOR	300
MAXIMUM PLATE VOLTAGE	5500 V
MAXIMUM PLATE DISSIPATION	35 W
MAXIMUM CATHODE CURRENT	325 mA
Compactron beam triode; pulse-type HV regulator.	

Duodecar type used as a pulse-type regulator in the (l^<&0 G high-voltage power supply of color television receivers. Qj \i) H H Outlines section, 1BF; requires duodecar 12-contact socket. Heater: volts (ac/dc), 6.



SOURCE OPERATING CONDITIONS

1940 RCA

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

1940 RCA

Section 1 · Triode

CHARACTERISTICS

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater voltage	6.3 V	Published nominal value
Heater current	2.4 A	Published nominal value

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum plate dissipation	35 W	Published maximum or stated design maximum
Pulse plate voltage	3500 V	Pulse regulator
Maximum plate dissipation	35 W	Published



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
Peak Plate Voltage	5500 V	PulseRegulator
Peak Plate Current	325 mA	PulseRegulator
Typical Peak Plate Current	300 mA	PulseRegulator

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1975 RCA RC30

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

1975 RCA RC30

Section 1 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
socket. Heater: volts (ac/dc), 6.3; amperes, 2.4.	12 V	Other
Peak Plate Voltage*	5500 V	MaximumRating
Plate Dissipation	35 W	MaximumRating
Peak Plate Current	325 mA	MaximumRating
4-200	-450 V	MaximumRating
Grid-Circuit	0.1 megohm	MaximumCircuitValue

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Pulse Plate Voltage*	3500 V	Characteristic
Grid- Voltage, Negative-bias value	4.4 V	Characteristic
Peak Plate Current	300 mA	Characteristic
Plate Resistance (Approx.)	4600 ohm	Characteristic
Grid Voltage (Approx.) for plate current of	1 mA	Characteristic;PublishedValue1
Grid Voltage (Approx.) for plate current of	16 mA	Characteristic;PublishedValue2