

ELECTRONIC TUBE REFERENCE

7887

Voltage - Dual Triode (similar) electronic tube

CONSOLIDATED TECHNICAL DATA
2 SECTIONS
CONSTRUCTION
TRIODE-TRIODE

Premium subminiature medium-mu dual triode with separate cathodes for oscillator, amplifier, and low-power servo circuits, designed for high reliability in severe environments.

GENERAL CHARACTERISTICS

BASE DESIGNATION	8DG	BASE PINS	8
NOMINAL HEATER	26.5 V / 90 mA	PARALLEL HEATER	– / –
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

8DG - TERMINAL PINOUT

TERMINAL	SECTION	ELEMENT	STATUS
PIN1 – 2P	B	P – Plate (Anode)	CONNECTED
PIN2 – 2G1	B	G1 – Control Grid	CONNECTED
PIN3 – H	–	H – Heater	CONNECTED
PIN4 – 2K	B	K – Cathode	CONNECTED
PIN5 – 1K	A	K – Cathode	CONNECTED
PIN6 – H	–	H – Heater	CONNECTED
PIN7 – 1G1	A	G1 – Control Grid	CONNECTED
PIN8 – 1P	A	P – Plate (Anode)	CONNECTED

SECTION RATINGS

SECTION1 Triode	
TRANSCONDUCTANCE	0.005 S
AMPLIFICATION FACTOR	20
MAXIMUM PLATE VOLTAGE	165 V
MAXIMUM PLATE DISSIPATION	1.1 W
<i>Primary physical section. Sylvania 7887: maximum DC plate voltage 165 V; peak forward plate voltage 330 V. Plate dissipation 1.1 W; published typical transconductance 5000 μmhos and amplification factor 20 at 100 V plate voltage, 220 Ω cathode resistor.</i>	

SECTION2 Triode	
TRANSCONDUCTANCE	0.005 S
AMPLIFICATION FACTOR	20
MAXIMUM PLATE VOLTAGE	165 V
MAXIMUM PLATE DISSIPATION	1.1 W
<i>Second physical section. Sylvania 7887: maximum DC plate voltage 165 V; peak forward plate voltage 330 V. Plate dissipation 1.1 W; published typical transconductance 5000 μmhos and amplification factor 20 at 100 V plate voltage, 220 Ω cathode resistor.</i>	

A premium subminiature medium-mu dual triode with separate cathodes for oscillator, amplifier and low-power servo circuits, designed for severe environments and high reliability.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1950 Sylvania

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

1950 SYLVANIA

Section 1 · Triode

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater Current	90 mA	Nominal published value

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