

ELECTRONIC TUBE REFERENCE

5897

Voltage - Triode (single high frequency) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
TRIODE

Subminiature medium-mu triode for UHF operation, designed for long life, stable performance, and severe mechanical environments.

GENERAL CHARACTERISTICS

BASE DESIGNATION	8DK	BASE PINS	8
NOMINAL HEATER	6.3 V / 150 mA	PARALLEL HEATER	– / –
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

8DK - TERMINAL PINOUT

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

SECTION RATINGS

SECTION1 Triode	
PLATE RESISTANCE	5800 Ω
TRANSCONDUCTANCE	0.0047 S
AMPLIFICATION FACTOR	27
MAXIMUM PLATE VOLTAGE	165 V
MAXIMUM PLATE DISSIPATION	3.3 W
<i>Promoted from clearly identified printed ratings/characteristics; additional published operating points, capacitances, and specialized ratings retained in TUBE_SECTION_PARAMETER.</i>	

Subminiature medium-mu triode for UHF operation, long life, stable operation, and severe mechanical environments.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

195X General Electric Essential Characteristics

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

195X GENERAL ELECTRIC ESSENTIAL CHARACTERISTICS

Section 1 · Triode

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Input capacitance	2.2 pF	Section1
Output capacitance	0.7 pF	Section1
Grid-to-plate capacitance	1.4 pF	Section1

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate voltage	100 V	ClassA
Cathode resistor	150 Ω	ClassA
Plate current	8.5 mA	ClassA
Plate voltage	150 V	RFOscillator;500MHz

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate resistance	5800 Ω	ClassA
Transconductance	4700 μS	ClassA
Amplification factor	27	ClassA