

ELECTRONIC TUBE REFERENCE

6DY4

Voltage - Triode (single high frequency) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
TRIODE

High-efficiency high-transconductance strap-frame-grid triode designed for stable low-heater-power UHF oscillator service.

GENERAL CHARACTERISTICS

BASE DESIGNATION	7DK	BASE PINS	7
NOMINAL HEATER	6.3 V / 125 mA	PARALLEL HEATER	– / –
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

7DK - TERMINAL PINOUT

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

SECTION RATINGS

SECTION1 Triode	
TRANSCONDUCTANCE	0.011 S
AMPLIFICATION FACTOR	28
MAXIMUM PLATE VOLTAGE	135 V
MAXIMUM PLATE DISSIPATION	1.5 W
MAXIMUM CATHODE CURRENT	20 mA
<i>Published ratings and characteristics promoted from the approved source.</i>	

High-efficiency high-gm medium-mu strap-frame-grid triode intended for UHF oscillator service, with low heater power for low temperature, long life, and high stability.



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
Grid Current	2 mA	—
Oscillator Plate Supply Voltage	135 V	960 MHz
Oscillator Plate Current	11.5 mA	960 MHz

CHARACTERISTIC

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate Current	10.4 mA	Class A1 at 90 V

CAPACITANCE

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid-to-Plate Capacitance	2 pF	Shielded

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