ELECTRONIC TUBE REFERENCE

2DY4

Voltage - Triode (single high frequency) electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
TRIODE

High-efficiency strap-frame-grid triode for UHF oscillator service, designed for low heater power, long life, and high stability.

General characteristics

BASE DESIGNATION	7DK	**BASE PINS**	7
NOMINAL HEATER	2.05 V / 450 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
Published ratings and characteristics promoted from the approved source.	

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

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