ELECTRONIC TUBE REFERENCE

7D7

Voltage - Triode (with diode, heptode or hexode) electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

HEPTODE-TRIODE

> Receiver oscillator-converter combining local oscillation and signal mixing for superheterodyne frequency conversion. Its multi-grid structure integrates the front-end frequency-changing functions in one envelope.

General characteristics

BASE DESIGNATION	–	**BASE PINS**	8
NOMINAL HEATER	7 V / 480 mA	**PARALLEL HEATER**	– / –
HEATING	Indirect	**SERIES OPERATION**	Not specified
CATHODE ARRANGEMENT	Separate cathodes	**SECTION CONSTRUCTION**	Dissimilar

Section ratings

SECTION1 Heptode

PLATE RESISTANCE	1500000 Ω
MAXIMUM PLATE VOLTAGE	250 V
MAXIMUM SCREEN VOLTAGE	100 V

Hexode converter section; conversion conductance 275 umhos.

SECTION2 Triode

PLATE RESISTANCE	10500 Ω
AMPLIFICATION FACTOR	17.5
MAXIMUM PLATE VOLTAGE	150 V

Oscillator triode section.

A triode-hexode converter combining an oscillator triode and a hexode mixer section for frequency conversion.

SOURCE OPERATING CONDITIONS

1950 Sylvania

SOURCE PDF

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

1950 SYLVANIA

Section 1 · Heptode

OTHER		
PARAMETER	**PUBLISHED VALUE**	**CONDITION / NOTE**
HeaterVoltageNominal	**7 V**	Nominal
HeaterCurrentNominal	**480 mA**	Nominal

CHARACTERISTIC		
PARAMETER	**PUBLISHED VALUE**	**CONDITION / NOTE**
Conversion Conductance	**275 uS**	Converter

TUBE TINKER

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