



ELECTRONIC TUBE REFERENCE

1H34

Voltage - Pentode or Tetrode (under 100V) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

HEPTODE

Low-power directly heated heptode frequency changer for portable battery receivers. Its economical filament supports oscillator-mixer service from modest plate and screen supplies in compact superheterodyne radios.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	7
NOMINAL HEATER	1.2 V / 30 mA	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Heptode	
TRANSCONDUCTANCE	0.0003 S
MAXIMUM PLATE VOLTAGE	90 V
MAXIMUM SCREEN VOLTAGE	67.5 V
MAXIMUM PLATE DISSIPATION	0.15 W
MAXIMUM SCREEN DISSIPATION	0.25 W
MAXIMUM CATHODE CURRENT	5.5 mA
<i>Published ratings and characteristics promoted from the source where directly stated.</i>	

Directly heated variable-mu heptode for mixer and frequency-converter service.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

195X Tesla

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

195X TESLA

Section 1 · Heptode

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater or filament voltage	1.2 V	Published nominal value
Heater or filament current	30 mA	Published nominal value
Screen-grid voltage	67.5 V	Published characteristic value

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Input capacitance g1	3.8 pF	Published interelectrode capacitance



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1969 Tesla Manual of Electronic Tubes

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

1969 TESLA MANUAL OF ELECTRONIC TUBES

Section 1 · Heptode

APPLICATION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Application	MixerFrequencyConverter text	—

TUBE TINKER

An independent reference for electronic tubes, vacuum tubes,
and their source documents.

