



ELECTRONIC TUBE REFERENCE

DK32

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

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

HEPTODE

Directly heated battery heptode designed as the oscillator-mixer frequency changer in portable superheterodyne receivers. Its low filament consumption and modest electrode currents reflect economical battery-powered radio service.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	8
NOMINAL HEATER	1.4 V / 50 mA	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Heptode	
PLATE RESISTANCE	600000 Ω
MAXIMUM PLATE VOLTAGE	90 V
MAXIMUM SCREEN VOLTAGE	45 V
MAXIMUM CATHODE CURRENT	2.5 mA
<i>Published ratings and characteristics promoted semantically from the approved source; repeated identical physical sections compressed where applicable.</i>	

The Mullard DK32 is a directly heated heptode intended primarily as a frequency changer in battery-operated receivers.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1951 Mullard Valve and Service Manual

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

1951 MULLARD VALVE AND SERVICE MANUAL

Section 1 · Heptode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate Voltage	90 V	—
Screen Supply Voltage	45 V	—
Plate Current	0.6 mA	—

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Conversion Conductance	350 μ S	—
Plate Resistance	600000 ohm	—



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1963 Mullard

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

1963 MULLARD

Section 1 · Heptode

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Filament Voltage	1.4 V	DCOnly
Filament Current	80 mA	DCOnly
Plate Resistance	600000 ohm	Representative

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Conversion Transconductance	250 μ S	Representative
Oscillator Transconductance	550 μ S	OscillatorSection

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate Voltage	90 V	FrequencyChanger
Screen Voltage	45 V	FrequencyChanger
Oscillator Anode Voltage	90 V	FrequencyChanger
Plate Current	0.6 mA	FrequencyChanger
Screen Current	0.7 mA	FrequencyChanger
Oscillator Current	1.2 mA	FrequencyChanger
Grid Current	35 μ A	FrequencyChanger
Total Cathode Current	2.5 mA	FrequencyChanger
Maximum Plate Voltage	110 V	—
Maximum Screen Voltage	110 V	—

TUBE TINKER

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

[Catalog](#) [Tube types](#) [Full books](#) [Blog](#) [Feedback & corrections](#)

© 2026 Tube Tinker