



ELECTRONIC TUBE REFERENCE

EH9005

Heptode electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
HEPTODE

Long-life, high-reliability heptode designed specifically for electronic switching, with tight tolerances and an interface-free cathode for extended dependable operation.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 300 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Heptode	
MAXIMUM PLATE VOLTAGE	250 V
MAXIMUM SCREEN VOLTAGE	250 V
MAXIMUM PLATE DISSIPATION	1 W
MAXIMUM SCREEN DISSIPATION	1 W
MAXIMUM CATHODE CURRENT	20 mA
Promoted values come from the supplied datasheet; additional ratings, characteristics, and operating points are retained in TUBE_SECTION_PARAMETER.	

Long-life high-reliability heptode for switching applications, with tight tolerances and an interface-free cathode.

SOURCE OPERATING CONDITIONS

1959 Telefunken

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

1959 TELEFUNKEN

Section 1 · Heptode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate supply voltage	150 V	Open
Screen-grid supply voltage	75 V	Open
Plate current minimum	5 mA	Open
Plate current maximum	6.5 mA	Open
Plate supply voltage	150 V	Blocked
Screen-grid supply voltage	75 V	Blocked
Plate current maximum	0.2 mA	Blocked
Plate cold voltage	550 V	—
Screen-grid cold voltage	550 V	—
Control-grid minimum voltage	-100 V	—
Suppressor-grid minimum voltage	-100 V	—
Heater-to-cathode voltage	120 V	—

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Input capacitance control-grid	5.6 pF	—
Input capacitance screen-grid	6.8 pF	—
Output capacitance	8.3 pF	—
Control-grid to plate capacitance maximum	0.07 pF	—
Screen-grid to plate capacitance maximum	0.35 pF	—

TUBE TINKER

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and their source documents.

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