



ELECTRONIC TUBE REFERENCE

DAF191

Voltage Pentode or Tetrode (under 100V) electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

DIODE-PENTODE

Directly heated battery diode-pentode combining signal detection with low-frequency voltage amplification. Its 1.4 V, 50 mA filament suits portable receivers while the pentode provides useful gain following the detector stage.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	7
NOMINAL HEATER	1.4 V / 50 mA	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Common cathode	SECTION CONSTRUCTION	Dissimilar

SECTION RATINGS

SECTION1 Diode

MAXIMUM PLATE VOLTAGE	90 V
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Published ratings and characteristics promoted from the printed technical data.

SECTION2 Pentode

PLATE RESISTANCE	600000 Ω
TRANSCONDUCTANCE	0.0007 S
MAXIMUM PLATE VOLTAGE	90 V
MAXIMUM SCREEN VOLTAGE	90 V
MAXIMUM PLATE DISSIPATION	0.15 W
MAXIMUM SCREEN DISSIPATION	0.05 W
MAXIMUM CATHODE CURRENT	2.5 mA

Published ratings and characteristics promoted from the printed technical data.

A directly heated 1.4 V diode-pentode for low-frequency amplification, with a 50 mA filament and separate signal-diode and pentode functions.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1953 RFT Rundfunk Technik

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

1953 RFT RUNDFUNK TECHNIK

Section 1 · Diode

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater or filament voltage	1.4 V	Published nominal value
Heater or filament current	50 mA	Published nominal value
Transconductance	700 μ S	Published operating characteristic

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum plate dissipation	0.15 W	Published limit

1953 RFT RUNDFUNK TECHNIK

Section 2 · Pentode

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater or filament voltage	1.4 V	Published nominal value
Heater or filament current	50 mA	Published nominal value
Transconductance	700 μ S	Published operating characteristic

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum plate dissipation	0.15 W	Published limit