

ELECTRONIC TUBE REFERENCE

D3F

Voltage - Pentode electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
PENTODE

Pentode designed for ultra-short-wave radio-frequency amplification in receiving equipment.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	5
NOMINAL HEATER	1.25 V / 50 mA	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Pentode	
MAXIMUM PLATE VOLTAGE	135 V
MAXIMUM PLATE DISSIPATION	0.3 W
Primary physical section.	

Pentode vacuum tube documented for ultra-short-wave applications, with heater, operating-characteristic, and limiting-rating data extracted from the supplied datasheet.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1999 Philips 0-D

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

1999 PHILIPS 0-D

Section 1 · Pentode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater voltage	1.25 V	Nominal
Heater current	50 mA	Nominal

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
0hauffag. dir, par battery., alimeata- vf	1.25 v	Published datasheet value
tion en paraii.le If	0 mA	Published datasheet value
Va	135 V	Published datasheet value
Vg2	67.5 V	Published datasheet value
Vg3	0 V	Published datasheet value
Vg1	-3 V	Published datasheet value
Ia	1.7 mA	Published datasheet value
Yg2	0.4 mA	Published datasheet value
RI	0.8 MA	Published datasheet value
va max	135 V	Published datasheet value
Wa max	0.3 W	Published datasheet value
vg1 max	70 V	Published datasheet value
Wg2 max	0.1 W	Published datasheet value
Ik max	5 mA	Published datasheet value
Vg1 (Igl	300 mA	Published datasheet value

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

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

© 2026 Tube Tinker