

ELECTRONIC TUBE REFERENCE

C453

Power - Pentode Single (NOT beam) (under 10W) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
PENTODE

Philips directly heated output pentode with published heater, operating, and limiting data. Its filamentary construction is intended for conventional low-frequency power-output service.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	4
NOMINAL HEATER	4 V / 250 mA	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Pentode	
PLATE RESISTANCE	35000 Ω
TRANSCONDUCTANCE	0.0017 S
AMPLIFICATION FACTOR	60
MAXIMUM SCREEN VOLTAGE	200 V
MAXIMUM PLATE DISSIPATION	6 W
Directly heated output pentode	

C453 is a directly heated output pentode. The supplied Philips datasheet was read for heater data, operating characteristics, limiting ratings, and section-level electrical information.



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
Typical plate current	20 mA	Va=300V
Typical screen current	4.5 mA	Vg2=200V
Class A output power	2.8 W	ClassA

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