



ELECTRONIC TUBE REFERENCE

UL12

Power - Pentode (NOT beam) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
PENTODE

High-current series-heater output pentode providing approximately 5.5 W in AC/DC receivers.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	8
NOMINAL HEATER	60 V / 100 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Pentode	
PLATE RESISTANCE	12000 Ω
TRANSCONDUCTANCE	0.012 S
MAXIMUM PLATE VOLTAGE	250 V
MAXIMUM SCREEN VOLTAGE	125 V
MAXIMUM PLATE DISSIPATION	15 W
MAXIMUM SCREEN DISSIPATION	1 W
MAXIMUM CATHODE CURRENT	100 mA
<i>Published 200 V operating point gives 12 mA/V and 12 kOhm; screen dissipation under drive may reach 3 W.</i>	

The UL12 is an indirectly heated output pentode for AC/DC series-heater receivers. It is rated for 15 W plate dissipation and provides about 5.5 W audio output at a representative 200 V operating point.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1959 Telefunken

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

1959 TELEFUNKEN

Section 1 · Pentode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate voltage	200 V	—
Screen voltage	125 V	—
Grid bias	-8 V	—
Plate current	75 mA	—
Screen current	9 mA	—
Load resistance	2000 Ohm	—
Output power	5.5 W	Distortion=9%
Maximum screen dissipation under drive	3 W	—

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