



ELECTRONIC TUBE REFERENCE

WE14

Power - Beam (NOT sweep) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

BEAMPOWER

High-transconductance beam-power audio-output tube delivering approximately 8 W single-ended output, with 18 W plate dissipation and strong sensitivity from modest grid drive.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 1.2 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Beam Power	
PLATE RESISTANCE	30000 Ω
TRANSCONDUCTANCE	0.015 S
MAXIMUM PLATE VOLTAGE	250 V
MAXIMUM SCREEN VOLTAGE	275 V
MAXIMUM PLATE DISSIPATION	18 W
MAXIMUM SCREEN DISSIPATION	2.5 W
MAXIMUM CATHODE CURRENT	90 mA
<i>Beam output pentode; screen dissipation may reach 5 W with signal.</i>	

The WE14 is an indirectly heated low-frequency beam output pentode with 18 W maximum plate dissipation. The Italian source describes roughly 8 W output from a 4.5 V RMS grid drive and highlights its high transconductance.

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 · Beam Power

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate voltage	250 V	—
Screen voltage	250 V	—
Grid bias	-7 V	—
Plate current	72 mA	—
Screen current	8 mA	—
Grid signal	4.5 V rms	—
Output power	8 W	—
Load resistance	3500 Ohm	—
Maximum screen dissipation with signal	5 W	—

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid-plate capacitance	<0.7 pF	—

TUBE TINKER

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