



ELECTRONIC TUBE REFERENCE

WE15

Power - Beam Single (NOT sweep) (under 10W) electronic tube

CONSOLIDATED TECHNICAL
DATA

1 SECTION
CONSTRUCTION
BEAMPOWER

Sensitive beam-power audio-output tube delivering approximately 4.5 W single-ended power, with 9 W plate dissipation and high transconductance for compact receiving equipment.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 900 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Beam Power	
PLATE RESISTANCE	50000 Ω
TRANSCONDUCTANCE	0.009 S
MAXIMUM PLATE VOLTAGE	250 V
MAXIMUM SCREEN VOLTAGE	275 V
MAXIMUM PLATE DISSIPATION	9 W
MAXIMUM SCREEN DISSIPATION	1.2 W
MAXIMUM CATHODE CURRENT	55 mA
Beam output pentode; screen dissipation up to 2.5 W with signal.	

The WE15 is an indirectly heated beam output pentode with 9 W maximum plate dissipation. Its high transconductance permits direct drive from detector or preceding audio stages while delivering about 4.5 W output.

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	-6 V	—
Plate current	36 mA	—
Screen current	4 mA	—
Grid signal	4.2 V rms	—
Output power	4.5 W	—
Load resistance	7000 Ohm	—
Maximum screen dissipation with signal	2.5 W	—

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid-plate capacitance	<0.8 pF	—