

ELECTRONIC TUBE REFERENCE

WE16

Voltage Pentode - Remote Cutoff (single) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

PENTODE

Variable-mu low-noise pentode designed especially for RF input and intermediate-frequency amplifier stages at short-wave frequencies.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 400 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Pentode	
PLATE RESISTANCE	1500000 Ω
TRANSCONDUCTANCE	0.0025 S
MAXIMUM PLATE VOLTAGE	300 V
MAXIMUM SCREEN VOLTAGE	300 V
MAXIMUM PLATE DISSIPATION	2 W
MAXIMUM SCREEN DISSIPATION	0.3 W
Variable-mu pentode; max screen voltage 125 V at 6 mA plate current, 300 V when plate current is below 3 mA.	

The WE16 is an indirectly heated variable-mu pentode intended especially for low-noise RF input and intermediate-frequency stages. Its small grid-plate capacitance, high internal resistance and useful transconductance support high gain and selectivity at short-wave frequencies.

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
Screen voltage	100 V	—
Grid bias	-2 V	—
Plate current	6 mA	—
Screen current	2 mA	—
Cathode resistor	250 0hm	—

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Reduced transconductance	25 uS	RegulationRatio=100:1

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Input capacitance	7.3 pF	—
Output capacitance	8.6 pF	—
Grid-plate capacitance	0.003 pF	Approximate