



ELECTRONIC TUBE REFERENCE

WE20

Voltage - Triode (with diode, heptode or hexode) electronic tube

CONSOLIDATED TECHNICAL
DATA

2 SECTIONS
CONSTRUCTION
HEXODE-TRIODE

Variable-mu triode-hexode frequency changer for superheterodyne receivers. The triode serves as local oscillator while the controlled hexode performs mixing and supports receiver gain regulation.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 200 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Dissimilar

SECTION RATINGS

SECTION1 Triode	
TRANSCONDUCTANCE	0.0028 S
MAXIMUM PLATE VOLTAGE	150 V
MAXIMUM PLATE DISSIPATION	1 W
<i>Oscillator triode section.</i>	

SECTION2 Hexode	
PLATE RESISTANCE	1500000 Ω
TRANSCONDUCTANCE	0.00065 S
MAXIMUM PLATE VOLTAGE	250 V
MAXIMUM SCREEN VOLTAGE	100 V
MAXIMUM PLATE DISSIPATION	1.5 W
MAXIMUM SCREEN DISSIPATION	0.5 W
<i>Variable-mu mixer hexode section.</i>	

The WE20 is a variable-mu triode-hexode frequency changer, using its triode as the local oscillator and its hexode as the mixer.



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 2 · Hexode

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate Voltage	250 V	—
Screen Voltage	100 V	—
Plate Current	2.3 mA	—
Screen Current	3 mA	—
Conversion Transconductance	650 μ S	—
Control Range	100 ratio	—

TUBE TINKER

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and their source documents.

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