



ELECTRONIC TUBE REFERENCE

3Z4

Power - Pentode Single (NOT beam) (under 10W) electronic tube

CONSOLIDATED TECHNICAL
DATA

1 SECTION
CONSTRUCTION
PENTODE

3Z4 directly heated low-power audio-output pentode for battery receivers, with 1.4 V parallel or 2.8 V series filament operation.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	7
NOMINAL HEATER	1.4 V / 50 mA	PARALLEL HEATER	1.4 V / 50 mA
HEATING	Direct	SERIES OPERATION	Capable
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Pentode	
PLATE RESISTANCE	100000 Ω
TRANSCONDUCTANCE	0.00145 S
MAXIMUM PLATE VOLTAGE	90 V
MAXIMUM SCREEN VOLTAGE	67.5 V
MAXIMUM CATHODE CURRENT	11 mA
<i>3Z4 RETMA/JETEC low-power audio pentode. Typical plate 67.5 V, grid 1 -7 V, zero-signal plate current 6.5 mA, screen current 1.3 mA, load 2000 ohms, 0.21 W audio output, 12% THD. Typical screen voltage OCR ambiguous; no unverified value promoted.</i>	

SOURCE OPERATING CONDITIONS

9999 Mixed 2000

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

9999 MIXED 2000

Section 1 · Pentode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate voltage	67.5 V	Typical plate voltage
Control-grid voltage	-7 V	Typical grid 1 voltage
Plate current	6.5 mA	Zero-signal plate current
Screen current	1.3 mA	Zero-signal screen current

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate resistance	100000 Ω	Approximate plate resistance
Transconductance	1450 μS	Transconductance

TUBE TINKER

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and their source documents.

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