



ELECTRONIC TUBE REFERENCE

30F27

Voltage - Tetrode electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
TETRODE

Variable-mu frame-grid VHF tetrode designed for television turret-tuner RF amplification, combining high-frequency gain with controlled cutoff for receiver gain regulation.

GENERAL CHARACTERISTICS

BASE DESIGNATION	B9A	BASE PINS	9
NOMINAL HEATER	37 V / 300 mA	PARALLEL HEATER	– / –
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Tetrode	
TRANSCONDUCTANCE	0.015 S
AMPLIFICATION FACTOR	60
MAXIMUM PLATE VOLTAGE	250 V
MAXIMUM SCREEN VOLTAGE	230 V
MAXIMUM PLATE DISSIPATION	2.5 W
MAXIMUM SCREEN DISSIPATION	0.4 W
MAXIMUM CATHODE CURRENT	18 mA
<i>VHF variable-mu frame-grid tetrode.</i>	

Screened V.H.F. tetrode with variable-mu characteristics and frame-grid construction for television turret tuners.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1960 Mazda

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

1960 MAZDA

Section 1 · Tetrode

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Typical Anode Voltage	170 V	gm measurement
Typical Screen Voltage	140 V	gm measurement
Typical Anode Current	13.5 mA	gm measurement
Grid Earth Capacitance	6.3 pF	—
Anode Grid Capacitance	0.027 pF	—

TUBE TINKER

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and their source documents.

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