



ELECTRONIC TUBE REFERENCE

6AB9

Voltage Radio Detector Converter electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TETRODE

Twin tetrode designed for VHF RF amplification and autodyne mixer service in receiver front ends.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	10
NOMINAL HEATER	6.3 V / 365 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Tetrode	
PLATE RESISTANCE	110000 Ω
TRANSCONDUCTANCE	0.01 S
MAXIMUM PLATE VOLTAGE	250 V
MAXIMUM SCREEN VOLTAGE	180 V
MAXIMUM PLATE DISSIPATION	2 W
MAXIMUM SCREEN DISSIPATION	0.5 W
MAXIMUM CATHODE CURRENT	20 mA
<i>Published ratings/characteristics promoted from supplied source; additional conditions retained in parameter table.</i>	

Twin tetrode for VHF RF amplifiers and VHF autodyne mixers.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1964 RMA EIA

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

1964 RMA EIA

Section 1 · Tetrode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater Voltage	6.3 V	—
Heater Current	365 mA	—
Grid1ToPlateCapacitanceMaximum	0.055 pF	—
Input Capacitance	5.7 pF	—
Output Capacitance	2.7 pF	—
Heater To Cathode Capacitance	3 pF	—
Transconductance	10000 uS	EachUnit
Plate Resistance	0.11 Mohm	EachUnit

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate Voltage	125 V	EachUnit
Screen Voltage	80 V	EachUnit
Grid1 Voltage	-1 V	EachUnit
Plate Current	8 mA	EachUnit
Screen Current	2 mA	EachUnit