

6516

Voltage - Pentode High Frequency (single) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

PENTODE

High-frequency Class-A pentode for higher-voltage professional amplifier service, with approximately 7.5 W plate dissipation and plate ratings around 550 V.

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	Similar

SECTION RATINGS

SECTION1 Pentode	
MAXIMUM PLATE VOLTAGE	550 V
MAXIMUM SCREEN VOLTAGE	275 V
MAXIMUM PLATE DISSIPATION	7.5 W
MAXIMUM SCREEN DISSIPATION	0.8 W
MAXIMUM CATHODE CURRENT	23 mA
Primary electrical section; identical repeated sections compressed where applicable.	

High-frequency Class-A amplifier pentode with a 6.3 V, 0.2 A heater and published high-frequency amplifier ratings.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1954 STC Brimar

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

1954 STC BRIMAR

Section 1 · Pentode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater voltage (AC or IC) - +6.3 volts	6.3 V	Heater voltage (AC or IC) - +6.3 volts
Heater C U r r e n t e s e s s s c s e s s c s e s s o r s s s e s s s s c s c n c c s s s s s s c c c n s n s e n e 0,2 amps	200 mA	Heater C U r r e n t e s e s s s c s e s s c s e s s o r s s s e s s s s c s c n c c s s s s s s c c c n s n s e n e 0,2 amps
Plate Voltage P e 0083 00000000000 s s l t a s s e s o s s c s e i o n e s e r a n s e d 250 volts	250 V	Plate Voltage P e 0083 00000000000 s s l t a s s e s o s s c s e i o n e s e r a n s e d 250 volts
Grid No.2 V'O l t a g e 0 0 0 0 0 0 - o c - c o o a o n o - . 0 0 » 0 . - . 0 - o a 0 0 0 - l o n c o o c i o o o 250 volts	250 V	Grid No.2 V'O l t a g e 0 0 0 0 0 0 - o c - c o o a o n o - . 0 0 » 0 . - . 0 - o a 0 0 0 - l o n c o o c i o o o 250 volts
Grid No.1 V O l t a g C e s a s e n e e r v o s s s s e s c s s s s s s s o s s n s s s v s v s s c s v s s o s "13'5') - 011:5	1 V	Grid No.1 V O l t a g C e s a s e n e e r v o s s s s e s c s s s s s s s o s s n s s s v s v s s c s v s s o s "13'5') - 011:5
FPlate c u r r e n t e c e s s c s c e s s s s s a c a t s v s c v e s c c t o s r s o n c s n s s s s s a s s s s s s 16 mA	16 mA	FPlate c u r r e n t e c e s s c s c e s s s s s a c a t s v s c v e s c c t o s r s o n c s n s s s s s a s s s s s s 16 mA

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum heater cathodg voltage ~150 volts	150 V	Maximum heater cathodg voltage ~150 volts
Maximum plate voltage (Ipx: 0) 550 volts	550 V	Maximum plate voltage (Ipx: 0) 550 volts
Maximm plate dissipationn L 75watts	75 W	Maximm plate dissipationn L 75watts
Maximumm grid No.2 voltage - 275 volts	275 V	Maximumm grid No.2 voltage - 275 volts
Maximum grid No.2 voltage (Ig, = 0) 550 wvolts	2 V	Maximum grid No.2 voltage (Ig, = 0) 550 wvolts
Maximum grid No.2 dissipation® 0.80watts	0.8 W	Maximum grid No.2 dissipation® 0.80watts
Maximm grid No,1 = grid No.2 voltage 300 volts IC	300 V	Maximm grid No,1 = grid No.2 voltage 300 volts IC
Maxdum grid Noel - cathode voltage 100 volts DC	100 V	Maxdum grid Noe1 - cathode voltage 100 volts DC
Maxdimen cathode current 23 mA	23 mA	Maxdimen cathode current 23 mA

TUBE TINKER

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and their source documents.

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