

Air-cooled transmitting triode for Class C RF power amplification and oscillator service, including telegraph and therapy applications.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	10 V / 3.2 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
AMPLIFICATION FACTOR	12
MAXIMUM PLATE VOLTAGE	3000 V
MAXIMUM PLATE DISSIPATION	125 W
Source-derived physical section; applicable promoted ratings are populated from the printed sheet.	

WESTINGHOUSHE ELECTRON TUBE TYPE 195 AMPLIFIER AND OSCILLATOR GENERAL CHARACTERISTICS
Adr=Cooled Triode Filament Yoltage..... Sattoceomuscesennoaan eoo 10 Volis
Filament Current,..... ciecparaans cerracnoan » 3.29 Anperes Amplifieation Factowr..... M s eer
e reaeo sl 12 Transconductance, Grid-Plete, ., .vicvevrionennnces. sseacon 1700 umbae Capacltance, Grid
Plais. c .Ot iienennncnneas cou 2.8 anf Capacitance, Grid-Filament.....-... essscnosn 2.2 uuf
Capacilsnce, Plate=Filocment..... ccoversecssue 1.2 uuf Approxirpate Rescrant Fregquency, Grid-
Flate..... et MG Net Welehd...eceevecnas hoesansooevedse Ceesacrenanaa "o 8 oz, Shipping
Welght..... casesaco s ceransetiocnrnons It 1ve, MAXIMUM RATINGS AND TYPICAL OPERATION
CONDITIONS R<F Power Amplifier and Oscillator, Class C Teclegraph and Therapy Service Eey--down

Conditions Without Modulation® Haximam Ratings Plate Volta, A=C, BMS ..o . viorornivocinnconnonsns
borreeeo 3

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

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

1947 WESTINGHOUSE

Section 1 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Amplification Factor..... M s e e r e r e a e o s l	12 A	Amplification Factor..... M s e e r e r e a e o s l 12
Capacitance, Plate=Filament..... c c o v e r s e c s s u e	1.2 cm	Capacitance, Plate=Filament..... c c o v e r s e c s s u e 1.2 uuf
Plate Voltage, A=C, BMS ..o . v i o o r o r n i v o c i n n c o n n o n s n s b o r r e e e o	3000 V	Plate Voltage, A=C, BMS ..o . v i o o r o r n i v o c i n n c o n n o n s n s b o r r e e e o 3000
Plate Volts, D-C, Unfiltered-c- c c . . c o u . . c a c e n t p e c e a r a n s c r e s s a s	3000 V	Plate Volts, D-C, Unfiltered-c- c c . . c o u . . c a c e n t p e c e a r a n s c r e s s a s 3000
Plate Dissipation, Watted. . v c v e o e e n r i o n c o n v o s e s s c r n s n a s s c e e o c	125 W	Plate Dissipation, Watted. . v c v e o e e n r i o n c o n v o s e s s c r n s n a s s c e e o c 125
Plate Volts and Input for	100 V	Plate Volts and Input for 15 M C . . v . e r r e r t i e n r r a i n n r a n e n a r a a s 100%
Plate Volts and Input for	80 V	Plate Volts and Input for 30 M C . o v o o i i i i o n r n e a r e r c r a a n s u n e n 80%
Plate Volts and Input for H O M C C r i e e a r e	609 V	Plate Volts and Input for H O M C C r i e e a r e 609
Grid Voltage, D=C r e r r o r n r n e i i n n n e n n t v i n n n s o s t t t	-500 V	Grid Voltage, D=C r e r r o r n r n e i i n n n e n n t v i n n n s o s t t t -500
Grid Voltage, B e F r c o o r e r v i t t t o t i r v i n e n r a n c o n r o s o t a n a n s e n	750 V	Grid Voltage, B e F r c o o r e r v i t t t o t i r v i n e n r a n c o n r o s o t a n a n s e n 750
Plate Volts, D	2700 V	Plate Volts, D-0-, Unfiltered,. . c c v c v c e r e c a n . 1800 2250 2700
Grid Volts, R-F, F O A K 0	0 V	Grid Volts, R-F, F O A K 0

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Capacitance, Grid-Filament.....-... esssscnosn	2.2 pF	Capacitance, Grid-Filament.....-... esssscnosn 2.2 uuf

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