



TRANSMITTING TRIODE										
Filament	Thoriated		ten							
Voltage		.5		a-c	or d-c	voits				
Current		.1				amp.				
Amplification Factor		15								
Direct Interelectrode										
Grid to Plate		•5				րալ				
Grid to Filament		-8		,		mit				
Plate to Filament Overall Length	2	.8		e F	5/32" ±	<u>дц</u> f				
Seated Height					7/32" ±					
Maximum Diameter				J-17		1/16"				
Bulb						S-21				
Caps (two)						Small				
Base			Med	dium 4-	-Pin, B					
RCA Socket					tock No					
	Ratings .	1-0 11	coluta			• 5557				
MAXIMUM RATIN	_									
A-F POWER										
	AND E (1 TEN	U MOD	OLATON			14				
D-C Plate Voltage	· C			1250	max.	volts				
MaxSignal D-C Plate MaxSignal Plate Inp					max.	ma. watts				
Plate Dissipation*	UL				max.	watts				
Typical Operation:)	III.	watts				
Unless otherwise	specified	. valu	es are	for a	tubes.					
D-C Plate Voltage	.,		1000	1250		volts				
D-C Grid Voltage**		-40	-5 5	-70		volts				
Peak A-F Grid-to-Grid		320	300	300		volts				
Zero-Signal D-C Plate	Cur.	26	28	30		ma.				
MaxSignal D-C Plate		210	160	130		ma.				
Load Resistance (per		600	3125	5250		ohms				
Effective Load Resist (plate to pl		400 1	2500	21000		ohms				
MaxSignal Driving P		400 I	4.4		approx					
MaxSignal Power Out		90	100		approx					
R-F POWER	-									
						10				
Carrier conditions per t	ион јот use	wiin a	*4.2. *C							
D-C Plate Voltage					max.	volts				
D-C Plate Current Plate Input					max. max.	ma, watts				
Plate Dissipation					max.	watts				
Typical Operation:)	IIICA	Walts				
D-C Plate Voltage			750	1000		volts				
D-C Grid Voltage**			-40	-55		volts				
Peak R-F Grid Volta	age		160	170		volts				
D-C Plate Current	3		45	42		ma.				
D-C Grid Current			2	2	approx	.ma.				
Driving Power O†			3.6		approx					
Power Öutput			10	14	approx	watts				
*, **, †, O: See next pag	je.		-	- Indica	tes a ch	ange.				

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TRANSMITTING TRIODE

_ (continued from preceding page)
PLATE-MODULATED R-F POWER AMPLIFIER -- Class C Telephony

Carrier conditions per tube for use with a max. modulation fact. of 1.0 D-C Plate Voltage volts 1000 max. D-C Grid Voltage -400 max. volts D-C Plate Current 80 max. ma. D-C Grid Current 25 max. ma. 80 max. Plate Input watts Plate Dissipation 23 max. watts Typical Operation:

D-C Plate Voltage 750 1000 volts. -150f -200 volts D-C Grid Voltage + + 10000 โ 13300 ohms Peak R-F Grid Voltage 275 325 volts D-C Plate Current 70 70 ma. D-C Grid Current # 15 15 approx.ma. Driving Power t 3 4 approx.watts Power Output 3<u>5</u> 50 approx.watts

R-F POWER AMPLIFIER & OSCILLATOR - Class C Telegraphy

Key-down conditions per tube without modulation***

1250 max.

volts

D-C : late voltage			1230	HELA VOICE	
D-C Grid Voltage			400	max, volts	l
D-C Plate Current			80	max, ma.	l
D-C Grid Current			25	max. ma.	l
Plate Input			100	max. watts	١
Plate Dissipation			35	max. watts	l
Typical Operation:					l
D-C Plate Voltage	750	1000	1250	vo1ts	ı
· ·	[-100	[-135	-175	voits	١
D-C Grid Voltage†††	6700	₹ 9000	. {11700	ohms	ı
	1200	1600	L 2100	ohms	1
Peak R-F Grid Voltage	225	260	300	voits	1
D-C Plate Current	70	70	70	ma.	l
D-C Grid Current †	15	15	15	approx.ma.	ŀ
Driving Power t	2	3	4	approx.watts	1
Power Output	35	50	65	approx.watts	1

- Averaged over any audio-frequency cycle of sine-wave form.
- ** For a-c filament supply.

D-C Plate Voltage

- *** Modulation essentially negative may be used if the positive peak of the audio-frequency envelope does not exceed 115\$ of the carrier conditions.
- O At crest of a-f cycle with modulation factor of 1.0.
- † Subject to wide variations as explained on sheet TUBE RATINGS in General Section.
- th Obtained from grid resistor of value shown or by combination methods.

 th Obtained from a fixed supply, by grid resistor (6700, 9000, 11700) or
 by cathode resistor (1200, 1600, 2100).

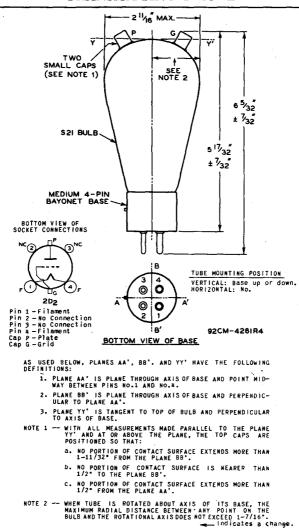
Data on operating frequencies for the 800 are given on the sheet TRANS. TUBE RATINGS vs. FREQUENCY.

Indicates a change.





TRANSMITTING TRIODE





AVERAGE PLATE CHARACTERISTICS

