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H-F TWIN TRIODE

MINIATURE TYPE			
Filament Filament Arrangement Voltage	Coated Series* 2.8	Parallel** 1.4	d-c volts
Current	0.11	0.22	amp.
Direct Interelectrode Ca	aoacitances:)	·
Triode Unit T1 Triode Unit T2			
Grid to Plate	3.2	3.2	μμf
Grid to Filament	0.9	0.9	μμf
Plate to Filament	1.0	1.0	иµf
Plate to Plate).32	μμf
Maximum Overall Length	•	,_	2-1/8"
Maximum Seated Height			1-7/8"
Maximum Diameter			3/4"
Bulb			T-5-1/2"
Base≜		Miniature Bu	
l ain t ettement		Pin 5 - Grid	T.
Pin 2 - Plate T2	<u> </u>		1 ¹ T ₁
Pin 3 - Grid T ₂ -	X7)4/10	Pin 7 - Fil. (+ series)
Pin 2 - Plate T ₂ Pin 3 - Grid T ₂ Pin 4 - {Fil. Mid-Tap Pin 4 - {(+ parallel)	2 4 4 2		
RCA Socket		Sto	ck No.9914
Mounting Position BO	TTOM VIEW (7		Any
For convenience, one triode unit is identified as I ₁ ; the other as I ₂ . Maximum Ratings Are Design-Center Values			
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Plate Voltage A-F	POWER AMPLI	FIER' 135	max. volts
Plate Current		-/-	max. ma.
Plate Dissipation			max. watt
Characteristics - Class A, Amplifier:			
Plate Voltage	A, Ampilite	90	volts
Grid Voltage		-2.5	volts
Amplification Factor		15	VOICS
Plate Resistance		8300	ohms
Transconductance		1800	umhos
Plate Current		3.7	ma.
R-F POWER AMPLIFIER & OSCILLATOR - Class C Telegraphy			
Key-down conditions per tube without modulation			
D-C Plate Voltage		135	max. voits
D-C Grid Voltage		-30	max. volts l
D-C Plate Current (per i	init)	15	max. ma.
D-C Grid Current (per un		2.5	max. ma.
Plate Input (per unit)		2.0	max. watts
Plate Dissipation (per u	ınit)	1.0	max, watt
Typical Operation At 40	Mc With Both	Units In Push	-Pull:
D-C Plate Voltage			volts
l		135 (-20	volts
D-C Grid Voltage •		₹4000	ohms
		l 570	ohms
Peak R-F Grid-to-Grid	Voltage	90	volts
D-C Plate Current		30	ma.
D-C Grid Current (app		5	ma.
Driving Power (approx.		0.2	watt
Power Output (approx.		2	watts
*, **, 0, •, •,: see next	page		





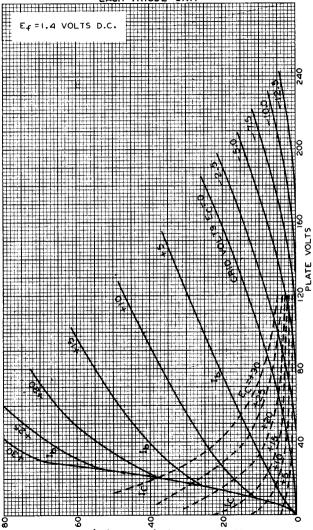
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(continued from preceding page)

- * Filament voltage applied across the two sections in series between pins No.1 and No.7. Grid voltage is referred to Pin No.1. For series filament operation, a shunting resistor must be connected across the section between pins No.1 and No.4. to by-pass excess cathode current in this section. The value of the shunting resistor should be adjusted to make the voltage across the shunted section equal to the voltage across the shunted section equal to the voltage across the shunted section equal to the rubes in series-filament arrangement contribute to the filament current of the 345, an additional shunting resistor may be required between pins No.1 and No.7.
- ** Filament voltage applied across the two sections in parallel between pin No.4 and pins No.1 and No.7 connected together. Grid voltage is referred to pins No.1 and No.7 tied together.
- o With no external shield
- Obtained by grid resistor (4000), cathode resistor (570), or fixed supply.
 - The center hole in sochets designed for this base provides for the possibility that this tube type may be manufactured with the exhaust-tube tip at the base end. For this reason, it is recommended that in equipment employing this tube type, no material be permitted to obstruct the sochet hole.



AVERAGE PLATE CHARACTERISTICS EACH TRIODE UNIT



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