

382

H-F TWIN TRIODE

MINIATURE TYPE		
Voltage 2.8	<i>illel**</i> 1.4 d-c	volts amp.
Grid to Plate Grid to Plate Grid to Filament Plate to Filament Plate to Plate Maximum Overall Length Maximum Seated Height	7:0de Unit T2 3.2 0.9 1.0	μμf μμf μμf μμf 2-1/8" 1-7/8"
Pin 1 - Filament - Pin Pin Pin Pin Pin Pin Pin	T- iature Button 5 - Grid T ₁ 6 - Plate T ₁ 7 - Fil. (+ s	
Pin 4-{(+ parallel) RCA Socket Mounting Position BOTTOM VIEW (7BC) For convenience, one triode unit is identified as	Stock N s I ₁ ; the other	o.9914 Any
Maximum Ratings Are Design-Center Values		
Plate Voltage Plate Current Plate Dissipation	135 max. 5 max. 0.5 max.	ma.
Characteristics - Class A, Amplifier: Plate Voltage Grid Voltage Amplification Factor	90 -2.5 15	volts volts
Plate Resistance Transconductance Plate Current	8300 1800 3.7	ohms µmhos ma.
R-F POWER AMPLIFIER & OSCILLATOR - Class C Telegraphy Rey-down conditions per tube without modulation		
D-C Plate Voltage D-C Grid Voltage D-C Plate Current (per unit) D-C Grid Current (per unit)	135 max. -30 max. 15 max. 2.5 max.	volts ma. ma.
Plate Input (per unit) Plate Dissipation (per unit) Typical Operation At 40 Mc With Both Units D-C Plate Voltage	2.0 max. 1.0 max. s In Push-Pul 135 (-20	watt
D—C Grid Voltage ●	4000	ohms
Peak R-F Grid-to-Grid Voltage D-C Plate Current D-C Grid Current (approx.) Driving Power (approx.) Power Output (approx.) *, **, 0, •, •,:see next page	570 90 30 5 0.2 2	ohms volts ma. ma. watt watts
Luna 1 1042	プロルエルナル	





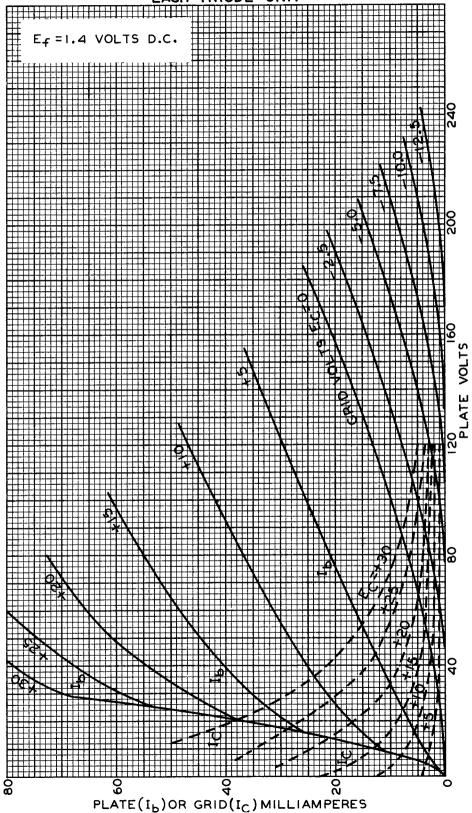
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(continued from preceding page)

- 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 section between pins No.4 and No.7. When other tubes in series-filament arrangement contribute to the filament current of the 3A5, an additional shunting resistor may be required between pins No.1 and No.7 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.
- With no external shield
- Obtained by grid resistor (4000), cathode resistor (570), or fixed supply.
 - A The center hole in sockets designed for this base provides for the possibility that this tube type may be manufactured with the exhaust-tube tip at 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 socket hole.



AVERAGE PLATE CHARACTERISTICS EACH TRIODE UNIT



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