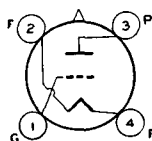


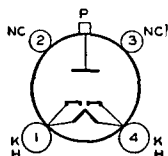
POWER TRIODE



835

Thoriated-tungsten-filament type used as af power amplifier and modulator and as rf power amplifier and oscillator. May be used with full input up to 20 Mc and with reduced input up to 100 Mc. Requires Jumbo four-contact socket and may be mounted in vertical position with base down, or in horizontal position with pins 1 and 3 in vertical plane. **OUTLINE 49, Outlines Section.** Filament volts (ac/dc), 10; amperes, 3.25. Direct interelectrode capacitances: grid to plate, 9.25 μf ; grid to filament, 6 μf ; plate to filament, 5 μf . Plate shows a barely perceptible red color when tube is operated at maximum CCS ratings. Except for interelectrode capacitances, the 835 is identical with type 211. The 835 is a DISCONTINUED type listed for reference only.

HALF-WAVE VACUUM RECTIFIER



836

Heater-cathode type having two cathodes used in power supply of transmitting and industrial equipment. Maximum peak inverse plate volts, 5000; maximum average plate amperes, 0.25. Requires Small four-contact socket and may be mounted in any position. **OUTLINE 40, Outlines Section.** The 836 has two separate cathodes, each of which is connected to its respective heater. Plate-circuit return should be made to the mid-tap of the heater transformer.

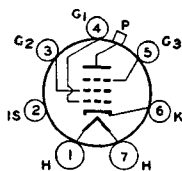
HEATER VOLTAGE (AC) ^o	2.5	volts
HEATER CURRENT	5.0	amperes

HALF-WAVE RECTIFIER

Maximum Ratings:

PEAK INVERSE PLATE VOLTAGE	5000 max	volts
PLATE CURRENT:		
Peak	1 max	ampere
Average	0.25 max	ampere
Fault, for duration of 0.1 second maximum	5 max	amperes

^o Heater voltage should be applied approximately 40 seconds before the application of plate voltage.



BEAM POWER TUBE

837

Heater-cathode type used as rf power amplifier and oscillator. May be used with full input up to 20 Mc. For operation at 40 Mc, plate voltage and plate input should be reduced to 76

per cent of maximum ratings; at 60 Mc, to 62 per cent. Class C Telephony maximum CCS plate dissipation, 12 watts. Requires Medium seven-contact socket and may be mounted in any position. **OUTLINE 31, Outlines Section,** except has no bayonet pin. Plate shows no color when tube is operated at maximum CCS ratings.

HEATER VOLTAGE (AC/DC)	12.6 $\pm$ 10%	volts
HEATER CURRENT	0.7	ampere
TRANSCONDUCTANCE (For plate current of 24 milliamperes)	3400	μmhos
DIRECT INTERELECTRODE CAPACITANCES:		
Grid-No.1 to plate (With external shielding)	0.20 max	μf
Grid No.1 to cathode, grid No.3, grid No.2, internal shield, and heater...	16	μf
Plate to cathode, grid No.3, grid No.2, internal shield, and heater.....	10	μf

RF POWER AMPLIFIER AND OSCILLATOR—Class C Telephony# and

RF POWER AMPLIFIER—Class C FM Telephony

Maximum CCS Ratings:

DC PLATE VOLTAGE	500 max	volts
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