# SPECIAL PURPOSE TUBES—TRANSMITTING TYPES Cont'd

| | CONSTRUCTION | | | EMITTER | | CAPACITANCES | | | MAXIMUM RATINGS | | | TYPICAL OPERATION | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TYPE | CLASS | STYLE | BASE | VOLTS | AMPS. | Cgp | Cin | Cout | PLATE DISS. WATTS | PLATE CURRENT MA | MAX. FREQ. MC | CLASS, OPERATION AND USE* | Eb VOLTS | $E_{c2}$ VOLTS | $E_{c1}$ NEG. VOLTS | Ib MA | $I_{c2}$ MA | $I_{c1}$ MA | P-P LOAD IN OHMS | DRIVING POWER WATTS | POWER OUTPUT WATTS |
| 807Y | Beam Amp. | T-12 | 5AW | 6.3 | 0.9 | Same as Type 807W without special tests applied. Electrical characteristics same as 807. | | | | | | | | | | | | | | | |
| 810 | Triode | T-20 | 2N | 10.0 | 4.5 | 4.8 | 8.7 | 12.0 | 125 | 250 | ... | B Amp. and Mod. CCS† | 2,000 | .... | 50 | 420▼ | .... | .... | 11,000 | 10 | 590 |
| | | | | | | | | | 175 | 250 | ... | B Amp. and Mod. ICAS† | 2,250 | .... | 60 | 450▼ | .... | .... | 11,600 | 13 | 725 |
| | | | | | | | | | 125 | 185 | 30 | B Amp. (Telephony) CCS | 1,500 | .... | 50 | 115▼ | .... | 2 | .... | 6 | 60 |
| | | | | | | | | | 175 | 185 | 30 | B Amp. (Telephony) ICAS | 2,250 | .... | 70 | 100▼ | .... | 2 | .... | 4 | 75 |
| | | | | | | | | | 125 | 250 | 30 | C Amp. (Telegraphy) CCS | 1,500 | .... | 120 | 250 | .... | 40 | .... | 10 | 275 |
| | | | | | | | | | 175 | 300 | 30 | C Amp. (Telegraphy) ICAS | 2,500 | .... | 180 | 300 | .... | 60 | .... | 19 | 575 |
| | | | | | | | | | 85 | 210 | 30 | C Amp. (Telephony) CCS | 1,250 | .... | 200 | 210 | .... | 50 | .... | 17 | 180 |
| | | | | | | | | | 125 | 250 | 30 | C Amp. (Telephony) ICAS | 2,000 | .... | 350 | 250 | .... | 70 | .... | 35 | 380 |
| 811A | Triode | ST-19 | 3G | 6.3 | 4.0 | 5.6 | 5.9 | 0.7 | 45 | 175 | ... | B Amp. and Mod. CCS† | 1,250 | .... | 0 | 260▼ | .... | .... | 12,400 | 3.8 | 235 |
| | | | | | | | | | 65 | 175 | ... | B Amp. and Mod. ICAS† | 1,000 | .... | 0 | 350▼ | .... | .... | 7,400 | 7.5 | 248 |
| | | | | | | | | | 65 | 175 | ... | B Amp. and Mod. ICAS† | 1,500 | .... | 4.5 | 313▼ | .... | .... | 12,400 | 4.4 | 340 |
| | | | | | | | | | 45 | 175 | 30 | C Amp. (Telegraphy) CCS | 1,250 | .... | 50 | 140 | .... | 45 | .... | 5.7 | 135 |
| | | | | | | | | | 65 | 175 | 30 | C Amp. (Telegraphy) ICAS | 1,500 | .... | 70 | 173 | .... | 40 | .... | 7.1 | 200 |
| | | | | | | | | | 30 | 125 | 30 | C Amp. (Telephony) CCS | 1,000 | .... | 55 | 115 | .... | 45 | .... | 6.1 | 88 |
| | | | | | | | | | 45 | 150 | 30 | C Amp. (Telephony) ICAS | 1,250 | .... | 120 | 140 | .... | 45 | .... | 10.0 | 135 |
| 812A | Triode | ST-19 | 3G | 6.3 | 4.0 | 5.5 | 5.4 | 0.77 | 45 | 175 | ... | B Amp. and Mod. CCS† | 1,250 | .... | 40 | 260▼ | .... | .... | 12,200 | 3.5 | 235 |
| | | | | | | | | | 65 | 175 | ... | B Amp. and Mod. ICAS† | 1,500 | .... | 48 | 310▼ | .... | .... | 13,200 | 5.0 | 340 |
| | | | | | | | | | 45 | 175 | 30 | C Amp. (Telegraphy) CCS | 1,250 | .... | 90 | 140 | .... | 30 | .... | 5.4 | 130 |
| | | | | | | | | | 65 | 175 | 30 | C Amp. (Telegraphy) ICAS | 1,500 | .... | 120 | 173 | .... | 30 | .... | 6.5 | 190 |
| | | | | | | | | | 30 | 125 | 30 | C Amp. (Telephony) CCS | 1,000 | .... | 110 | 115 | .... | 33 | .... | 6.6 | 85 |
| | | | | | | | | | 45 | 150 | 30 | C Amp. (Telephony) ICAS | 1,250 | .... | 115 | 140 | .... | 35 | .... | 7.6 | 130 |
| 813 | Beam Amp. | T-20 | 5BA | 10.0 | 5.0 | 0.25m | 16.3 | 14.0 | 100 | 180 | ... | $AB_2$ Amp. and Mod. CCS† | 2,250 | 750 | 90 | 315▼ | 58▼ | $E_{c3}$=0 | 18,500 | 0.10 | 515 |
| | | | | | | | | | 125 | 225 | ... | $AB_2$ Amp. and Mod. ICAS† | 2,500 | 750 | 95 | 360▼ | 55▼ | $E_{c3}$=0 | 17,000 | 0.35 | 650 |
| | | | | | | | | | 100 | 100 | 30 | B Amp. (Telephony) CCS | 1,500 | 400 | 60 | 100▼ | 4▼ | .... | $E_{c3}$=0 | <2.0 | 50 |
| | | | | | | | | | 125 | 125 | 30 | B Amp. (Telephony) ICAS | 2,250 | 400 | 60 | 85▼ | 3▼ | .... | $E_{c3}$=0 | <2.0 | 70 |
| | | | | | | | | | 100 | 180 | 30 | C Amp. (Telegraphy) CCS | 1,250 | 300 | 75 | 180 | 35 | 12 | $E_{c3}$=0 | 1.7 | 170 |
| | | | | | | | | | 100 | 180 | 30 | C Amp. (Telegraphy) CCS | 2,000 | 400 | 120 | 180 | 45 | 10 | $E_{c3}$=0 | 1.9 | 275 |
| | | | | | | | | | 125 | 225 | 30 | C Amp. (Telegraphy) ICAS | 2,250 | 400 | 155 | 220 | 40 | 15 | $E_{c3}$=0 | 4.0 | 375 |
| | | | | | | | | | 67 | 150 | 30 | C Amp. (Telephony) CCS | 1,600 | 300 | 160 | 150 | 30 | 12 | $E_{c3}$=0 | 2.7 | 180 |
| | | | | | | | | | 100 | 200 | 30 | C Amp. (Telephony) ICAS | 2,000 | 350 | 175 | 200 | 40 | 16 | $E_{c3}$=0 | 4.3 | 300 |
| | | | | | | Grid Modulated | | | 125 | 125 | 30 | C Amp. (Telephony) ICAS | 2,250 | 400 | 110 | 85 | 2.5 | .... | $E_{c3}$=0 | < 2.0 | 75 |