

Radiation-cooled triodes

| Output power | Reference | Service | Typical Operating conditions | | | | | | Cathode | | Maximum ratings | | | | | Base | Dimensions, max. | | |
|--------------|-----------|----------|------------------------------|------------------|----------------|-----------------|-----------------|-----|----------------|----------------|-----------------|----------------|----------------|-----------------|------------------|--------|------------------|-----|------|
| | | | V _a | -V _{g1} | I _a | I _{g1} | P _{gs} | f | V _f | I _f | μ | V _a | P _a | P _{g1} | f _{max} | | l | d | m |
| W | | | kV | V | mA | mA | W | MHz | V | A | | kV | W | W | MHz | RETMA | mm | mm | kg |
| 170 | T 50-1 | C-Teleg. | 1.5 | 165 | 160 | 15 | 4 | 40 | 7.5 | 3.2 | 17 | 1.5 | 70 | 5 | 100 | A 4-10 | 176 | 62 | 0.10 |
| 285 | | B-NF 2 | 1.5 | 88 | 280 | 16 | 2.7 | - | 7.5 | 3.2 | 17 | 1.5 | 70 | 5 | 100 | A 4-10 | 176 | 62 | 0.10 |
| 215 | T 50-2 | C-Teleg. | 1.5 | 157 | 190 | 39 | 11 | 40 | 10 | 3.2 | 18 | 1.5 | 75 | 5 | 100 | A 4-10 | 176 | 62 | 0.10 |
| 330 | | B-NF 2 | 1.5 | 83 | 300 | 35 | 5.4 | - | 10 | 3.2 | 18 | 1.5 | 75 | 5 | 100 | A 4-10 | 176 | 62 | 0.10 |
| 1580 | T 300-1 | C-Teleg. | 4 | 210 | 515 | 75 | 27 | 30 | 12 | 10 | 35 | 4 | 450 | 30 | 75 | Spec. | 235 | 112 | 0.48 |
| 2400 | | B-NF 2 | 4 | 115 | 800 | 60 | 25 | - | 12 | 10 | 35 | 4 | 450 | 30 | 75 | Spec. | 235 | 112 | 0.48 |

Radiation-cooled tetrodes

| Output power | Reference | Service | Typical Operating conditions | | | | | | Cathode | | Maximum ratings | | | | | Base | Dimensions, max. | | | | | |
|--------------|-----------|----------|------------------------------|------------------|-----------------|----------------|-----------------|-----------------|-----------------|-----|-----------------|----------------|---|----------------|----------------|------|------------------|-----------------|------------------|-----|----|------|
| | | | V _a | -V _{g1} | V _{g2} | I _a | I _{g1} | I _{g2} | P _{gs} | f | V _f | I _f | μ | V _a | P _a | | P _{g1} | P _{g2} | f _{max} | l | d | m |
| W | | | kV | V | V | mA | mA | mA | W | MHz | V | A | | kV | W | W | W | MHz | RETMA | mm | mm | kg |
| 435 | Q 160-1 | C-Teleg. | 3 | 140 | 350 | 190 | 11 | 14 | 2.5 | 70 | 5 | 6.5 | 6 | 3 | 160 | 5 | 20 | 200 | Giant 5 p | 140 | 66 | 0.15 |
| 715 | | B-NF 2 | 3 | 55 | 350 | 330 | 15 | 25 | 2 | - | 5 | 6.5 | 6 | 3 | 160 | 5 | 20 | 200 | Giant 5 p | 140 | 66 | 0.15 |
| 1 120 | Q 450-1 | C-Teleg. | 4 | 320 | 500 | 360 | 15 | 34 | 7 | 70 | 5 | 15 | 5 | 4 | 450 | 12 | 45 | 120 | Giant 5 p | 154 | 91 | 0.25 |
| 1 750 | | B-NF 2 | 4 | 95 | 500 | 600 | 10 | 35 | 1.5 | - | 5 | 15 | 5 | 4 | 450 | 12 | 45 | 120 | Giant 5 p | 154 | 91 | 0.25 |

Vapour-cooled triodes

| Output power | Reference | Typical Operating conditions - C. Osc. | | | | | | Cathode | | Maximum ratings at 30 MHz | | | | Dimensions, max. | | |
|--------------|-----------|--|------------------|----------------|-----------------|----------------|-----|----------------|----------------|---------------------------|----------------|----------------|-----------------|------------------|-----|-----|
| | | V _a | -V _{g1} | I _a | I _{g1} | P _g | f | V _f | I _f | μ | V _a | P _a | P _{g1} | l | d | m |
| kW | | kV | V | A | A | W | MHz | V | A | | kV | kW | W | mm | mm | kg |
| 25 | TH 481 | 9 | 750 | 3.65 | 0.5 | 250 | 30 | 7 | 150 | 27 | 10 | 20 | 500 | 360 | 160 | 10 |
| 30 | TH 479 | 12 | 550 | 3.3 | 0.55 | 280 | 30 | 7 | 150 | 50 | 14 | 20 | 500 | 420 | 160 | 9.5 |
| 35 | TH 486 | 12 | 1 200 | 3.8 | 0.45 | 220 | 30 | 7 | 120 | 20 | 14 | 20 | 500 | 420 | 160 | 9.5 |
| 54 | TH 477 | 13 | 1 000 | 5.4 | 0.55 | 290 | 30 | 7 | 200 | 23 | 14 | 40 | 600 | 425 | 282 | 20 |
| 105 | TH 480 | 14 | 1 200 | 9.6 | 1.1 | 500 | 30 | 12 | 200 | 25 | 15 | 70 | 1 600 | 470 | 252 | 24 |
| 155 | TH 484 | 14 | 700 | 14.2 | 2.3 | 900 | 30 | 12 | 300 | 48 | 15 | 100 | 2 500 | 560 | 312 | 60 |
| 250 | TH 478 | 12 | 400 | 26.7 | 5.8 | 2 800 | 30 | 17.5 | 310 | 80 | 15 | 150 | 3 500 | 680 | 312 | 50 |
| 600 | BTS 150-2 | 18 | 840 | 44.5 | 9.3 | 6 200 | 3 | 20 | 570 | 45 | 18 | 220 | 7 000 | 750 | 430 | 96 |

Air-cooled triodes

| Output power | Reference | Typical Operating conditions - C. Osc. | | | | | | Cathode | | Maximum ratings | | | | | Dimensions, max. | | |
|--------------|-----------|--|------------------|----------------|-----------------|----------------|-----|----------------|----------------|-----------------|----------------|----------------|-----------------|------------------|------------------|-----|------|
| | | V _a | -V _{g1} | I _a | I _{g1} | P _g | f | V _f | I _f | μ | V _a | P _a | P _{g1} | f _{max} | l | d | m |
| kW | | kV | V | A | A | W | MHz | V | A | | kV | kW | W | MHz | mm | mm | kg |
| 1.8 | BTL 1-1 | 4 | 300 | 0.6 | 0.15 | 28 | 110 | 7.5 | 20 | 28 | 4 | 1 | 50 | 220 | 134 | 73 | 1 |
| 6.6 | FTL 3-1 | 6 | 450 | 1.6 | 0.22 | 75 | 30 | 12 | 26 | 28 | 7 | 3.5 | 150 | 60 | 200 | 102 | 3 |
| | FTL 3-2 | 6 | 450 | 1.6 | 0.22 | 75 | 30 | 12 | 26 | 28 | 7 | 5 | 150 | 60 | 202 | 122 | 4.5 |
| 23 | FTL 8-1 | 10 | 640 | 3.0 | 0.53 | 260 | 30 | 8 | 80 | 30 | 10 | 8 | 400 | 60 | 320 | 215 | 13.5 |
| 28 | BTL 6-3 | 11 | 850 | 3.2 | 0.86 | 350 | 30 | 6.3 | 120 | 30 | 11 | 6 | 500 | 100 | 306 | 215 | 14 |
| 31 | TH 350 | 10 | 720 | 4.0 | 0.60 | 170 | 80 | 7.5 | 150 | 22 | 10 | 10 | 500 | 120 | 275 | 165 | 9.5 |
| 32 | FTL 12-1 | 12 | 1 200 | 3.8 | 0.68 | 410 | 30 | 8 | 105 | 28 | 12 | 12 | 500 | 30 | 374 | 252 | 17 |
| 50 | TH 351 | 11.5 | 800 | 5.5 | 1.20 | 235 | 40 | 7.5 | 180 | 22 | 13 | 17 | 650 | 50 | 292 | 200 | 15 |
| 54 | BTL 15-4 | 12 | 1 085 | 6.0 | 1.15 | 700 | 30 | 7.5 | 150 | 35 | 12 | 17 | 1 000 | 100 | 368 | 355 | 35 |
| 77 | TH 352 | 11 | 800 | 9.0 | 1.50 | 325 | 40 | 12.6 | 180 | 24 | 13 | 25 | 1 000 | 50 | 375 | 214 | 20 |
| 106 | BTL 25-3 | 15 | 950 | 8.7 | 1.70 | 840 | 30 | 10 | 320 | 40 | 15 | 25 | 1500 | 50 | 562 | 297 | 30 |

Water-cooled triodes

| Output power | Reference | Typical Operating conditions - C. Osc. | | | | | | Cathode | | Maximum ratings | | | | | Dimensions, max. | | |
|--------------|-----------|--|------------------|----------------|-----------------|----------------|-----|----------------|----------------|-----------------|----------------|----------------|-----------------|------------------|------------------|-----|-------|
| | | V _a | -V _{g1} | I _a | I _{g1} | P _g | f | V _f | I _f | μ | V _a | P _a | P _{g1} | f _{max} | l | d | m |
| kW | | kV | V | A | A | W | MHz | V | A | | kV | kW | W | MHz | mm | mm | kg |
| 6.6 | FTW 3-1 | 6 | 450 | 1.6 | 0.22 | 75 | 30 | 12 | 26 | 28 | 7 | 5 | 150 | 60 | 182 | 77 | 0.41 |
| 23 | FTW 8-1 | 10 | 640 | 3.0 | 0.53 | 260 | 30 | 8 | 80 | 30 | 10 | 15 | 400 | 60 | 296 | 102 | 1.82 |
| 30 | TH 179 | 12 | 550 | 3.3 | 0.55 | 280 | 30 | 7 | 150 | 50 | 14 | 20 | 500 | 30 | 455 | 140 | 10.50 |
| 30 | TH 750 A | 10 | 720 | 4.0 | 0.60 | 170 | 40 | 7.5 | 150 | 22 | 12 | 15 | 500 | 120 | 315 | 140 | 7 |
| 33 | BTW 6-3 | 11 | 900 | 3.8 | 0.85 | 365 | 30 | 6.3 | 120 | 30 | 11 | 10 | 500 | 100 | 283 | 150 | 2.60 |
| 35 | FTW 12-1 | 12 | 1 240 | 4.2 | 0.65 | 410 | 30 | 8 | 105 | 28 | 12 | 20 | 500 | 30 | 348 | 115 | 2.35 |
| 50 | TH 751 | 11.5 | 800 | 5.5 | 1.20 | 235 | 40 | 7.5 | 180 | 22 | 13 | 20 | 650 | 50 | 295 | 140 | 7 |
| 53 | TH 177 | 12 | 1 200 | 5.8 | 0.65 | 360 | 30 | 7 | 200 | 23 | 14 | 30 | 600 | 30 | 430 | 188 | 13 |
| 64 | BTW 15-3 | 12 | 730 | 6.8 | 1.20 | 730 | 30 | 7.5 | 150 | 35 | 12 | 22 | 1 000 | 100 | 360 | 150 | 4 |
| 77 | TH 752 | 11 | 800 | 9.0 | 1.50 | 325 | 40 | 12.6 | 180 | 24 | 13 | 30 | 1 000 | 50 | 375 | 180 | 10 |
| 80 | TH 180 | 12 | 1 000 | 9.0 | 1.00 | 500 | 30 | 12 | 200 | 25 | 15 | 40 | 1 600 | 30 | 445 | 195 | 18 |
| 116 | BTW 25-3 | 15 | 1 000 | 10.0 | 1.90 | 950 | 30 | 10 | 320 | 40 | 15 | 30 | 1 500 | 50 | 515 | 200 | 10 |
| 120 | TH 553 | 12 | 800 | 13.0 | 3.50 | 660 | 30 | 15 | 180 | 42 | 15 | 100 | 3 000 | 50 | 460 | 221 | 24 |
| 195 | BTW 50-3 | 15 | 670 | 16.5 | 2.90 | 1 400 | 3 | 20 | 200 | 45 | 15 | 65 | 2 000 | 30 | 608 | 200 | 11 |
| 200 | TH 533 | 14 | 800 | 20.0 | 4.50 | 800 | 10 | 18 | 200 | 40 | 16 | 200 | 3 000 | 30 | 585 | 221 | 40 |
| 290 | TH 554 A | 13.5 | 800 | 29.0 | 6.60 | 1 300 | 10 | 18 | 280 | 40 | 18 | 200 | 3 000 | 30 | 585 | 221 | 40 |
| 510 | TH 534 | 15 | 750 | 46.0 | 9.00 | 4 360 | 10 | 22 | 400 | 43 | 19 | 250 | 7 000 | 30 | 670 | 321 | 60 |
| 850 | TH 556 | 17.5 | 850 | 62.0 | 12.5 | 4 850 | 10 | 23 | 550 | 35 | 18 | 600 | 8 000 | 30 | 755 | 321 | 108 |



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