

Application Guide for RCA Receiving Tubes

In the Application Guide on the following pages, RCA receiving tubes are classified in two ways: (a) by function, and (b) by structure (diode, triode, etc.). The functional classification covers 42 principal types of application, as listed below.

Tube types are grouped by structure under each classification; they are also keyed to indicate miniature, octal, nuvistor, duodecar, and novar types.

Triodes are designated as *low*, *medium*-, or *high-mu* types on the following basis: *low*, less than 10; *medium*, 10 or more, but less than 50; *high*, 50 or more. Where applicable, tubes are

designated as *sharp*-, *semiremote*-, or *remote-cutoff* on the basis of the ratio, in per cent, of the negative control-grid voltage to the screen-grid voltage (or, for triodes, the plate voltage) as given in the characteristics or typical operation values. These terms are defined as follows: *sharp*, less than 10 per cent; *semiremote*, 10 or more, but less than 20 per cent; *remote*, 20 per cent or more.

For more complete data on these types, refer to the **Technical Data For RCA Receiving Tubes** starting on page 93.

APPLICATIONS

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1. AUDIO-FREQUENCY AMPLIFIERS

Voltage Amplifiers

Medium-Mu Triode with Twin Diode
• 6BF6

Medium-Mu Triode—Sharp-Cutoff Pentode
• 11LQ8 • 7199†

Medium-Mu Twin Triode
• 5J6 • 7AU7 • 12SN7GTA
• 6J6A • 9AU7 • 19J6
• 6SN7GTB • 17CU5

• Miniature ○ Octal ▲ Nuvistor ▴ Novar † For high-fidelity equipment

High-Mu Triode with Twin Diode

- 3AV6 • 6BN8 • 12AV6
- 4AV6 • 6CN7 ◊ 12SQ7
- 6AT6 ◊ 6SQ7 • 14GT8
- 6AV6 • 12AT6 • 18FY6A

High-Mu Triode with Triple Diode

- 5T8 • 6T8A • 19T8

High-Mu Twin Triode

- 6EU7† • 12AZ7A • 20EZ7
- 6SL7GT • 12BZ7 • 7025†
- 12AX7A† ◊ 12SL7GT

Sharp-Cutoff Pentode

- 3DT6A* • 6DT6A* • 5879†
- 4DT6A* • 6GX6* • 7543†
- 5GX6* • 6HZ6*

Remote-Cutoff Pentode with Diode

- 12CR6

*Power Amplifiers***Beam Power Tube**

- 5AQ5 ◊ 6L6 • 17CU5
- 5CZ5 ◊ 6L6GC† • 25C5
- ◊ 5V6GT ◊ 6V6 • 25F5A
- 6AQ5A • 6V6GTA • 34GD5A
- 6AS5 • 6W6GT • 35C5
- 6CM6 • 6Y6C ◊ 35L6GT
- 6CU5 • 12AB5 • 50B5
- 6CZ5 • 12AQ5 • 50C5
- ◊ 6DG6GT • 12CA5 ◊ 50L6GT
- 6DS5 • 12CU5/12C5 • 6973†
- △ 6GC5 ◊ 12V6GT ◊ 7408†
- ◊ 6HG5 ◊ 12W6GT

Beam Power Tube—Sharp-Cutoff Pentode

- ‡ 6AL11 ‡ 10AL11 ‡ 12AL11

Power Pentode

- 6BQ5 • 8BQ5 • 50EH5
- 6EH5 • 12EH5 • 60FX5
- ◊ 6F6 • 12FX5 • 7189†
- 6GK6 • 25EH5 △ 7868†
- ◊ 6K6GT • 35EH5

Pentode—Beam Power Tube

- ‡ 6J10 ‡ 13J10

2. AUTOMATIC GAIN CONTROL CIRCUITS (AGC & AVC)**Diode—Sharp-Cutoff Pentode**

- 6KL8 • 12KL8

Diode—Remote-Cutoff Pentode

- 6EQ7 • 12EQ7

Twin Diode—High-Mu Triode

- 3AV6 • 6AV6 • 12AV6
- 4AV6 • 6SQ7 ◊ 12SQ7
- 6AT6 • 12AT6 • 18FY6A

Medium-Mu Triode—Sharp-Cutoff Pentode

- 5AN8 • 6BA8A • 6GH8A
- 5GH8 • 6BH8 • 8BA8A
- 6AN8A • 6CU8 • 8BH8
- 6AZ8

High-Mu Triode—Sharp-Cutoff Pentode

- 6AW8A • 6JV8 • 8JV8
- 6HF8 • 8AW8A • 10HF8

Sharp-Cutoff Twin Pentode

- 3BU8 • 4BU8 • 6BU8
- 3GS8 • 4HS8 • 6HS8
- 3HS8

3. BANDPASS AMPLIFIER (COLOR TV)

- 6AW8A • 6LF8 • 8AW8A
- 6HL8 • 6KT8

4. BURST AMPLIFIERS**Medium-Mu Triode—Sharp-Cutoff Pentode**

- 5EA8 • 6EA8 • 6GH8A
- 5GH8

Medium-Mu Triode—Semiremote-Cutoff Pentode

- 6LM8

High-Mu Triode with Twin Diodes

- 6BN8 • 8BN8

5. CATHODE-DRIVE RF AMPLIFIERS (GROUNDED-GRID)**Medium-Mu Triode**

- 6BC4

Medium-Mu Twin Triode

- 4BC8 • 5BK7A • 6BQ7A
- 4BQ7A • 5BQ7A • 6BS8
- 4BS8 • 6BC8 • 6BZ7
- 4BZ7 • 6BK7A

High-Mu Triode

- △ 2CW4 • 6AB4 △ 6DS4
- △ 2DS4 △ 6CW4 △ 13CW4

High-Mu Twin Triode

- 6DT8 • 12AZ7A • 12DT8
- 12AT7

6. COLOR KILLERS**Quadruple Diode**

- 6JU8 • 6JU8A

• Miniature ‡ Duodecar ◊ Octal △ Nuvistor ▲ Novar * Dual-control grids

† For high-fidelity equipment

7. COLOR MATRIXING CIRCUITS

Medium-Mu Twin Triode

- 6CG7 • 6GU7 • 8FQ7
- 6FQ7 • 8CG7 • 12BH7A

8. COMPLEX-WAVE GENERATORS

High-Mu Twin Double-Plate Triode

- 12FQ8

Sharp-Cutoff Twin-Plate Tetrode—Diode

- 6FA7

Sharp-Cutoff Three-Plate Tetrode—Diode

- 6KM8

Three-Plate Tetrode—Medium-Mu Triode

- 6FH8

9. CONVERTERS

Medium-Mu Triode—Sharp-Cutoff Pentode

- 5EA8 • 5X8 • 6KZ8
- 5GH8 • 6EA8 • 6U8A
- 5KE8 • 6GH8A • 6X8
- 5U8 • 6KE8 • 19X8

High-Mu Twin Triode

- 6DT8 • 12AZ7A • 12DT8
- 12AT7

Sharp-Cutoff Pentode

- 3AU6 • 6AU6A • 18GD6A
- 4AU6 • 12AU6

Pentagrid

- 3BE6 • 6SA7 • 12SA7
- 6BA7 • 12BE6 • 18FX6A
- 6BE6

10. DAMPERS

Half-Wave (Diode)

- 6AU4GTA • 6DM4 • 17BS3
- 6AX4GTB • 6DW4 • 17D4
- 6AY3 • 6W4GT • 17DE4
- 6BA3 • 12AX4GTA • 19AU4
- 6BH3 • 12AX4GTB • 22BH3
- 6BS3 • 12AY3 • 22DE4
- 6CQ4 • 12BS3 • 25AX4GTA
- 6DA4 • 12D4 • 17AY3
- 6DE4 • 17AX4GTA • 17BH3

11. DEMODULATORS (COLOR TV)

Medium-Mu Twin Triode

- 12BH7A

• Miniature • Octal

• Nuistor

• Novar

High-Mu Twin Triode

- 12AZ7A

Sharp-Cutoff Pentode

- 3BY6 • 6GY6

Pentagrid Amplifier

- 6BY6 • 6JH8

12. DETECTORS

Diode—Sharp-Cutoff Pentode

- 5AM8 • 6AM8A
- 5AS8 • 6AS8

Diode—Remote-Cutoff Pentode

- 6CR6 • 12CR6 • 12EQ7
- 6EQ7

Twin Diode

- 3AL5 • 6H6 • 12H6
- 6AL5 • 12AL5

Twin Diode—High-Mu Triode

- 3AV6 • 6CN7 • 12AV6
- 4AV6 • 6SQ7 • 12SQ7
- 6AT6 • 8BN8 • 14GT8
- 6AV6 • 12AT6 • 18FY6A
- 6BN8

Triple Diode

- 6BJ7

Triple Diode—High-Mu Triode

- 5T8 • 6T8A

Quadruple Diode

- 6JU8 • 6JU8A

Sharp-Cutoff Pentode

- 3DT6A* • 5GX6* • 6GX6*
- 4DT6A* • 6DT6A* • 6HZ6*

13. DC RESTORERS

Diode—Sharp-Cutoff Pentode

- 5AM8 • 6AM8A • 6AS8
- 5AS8

Triple Diode

- 6BJ7

14. DISCRIMINATORS

FM

Twin Diode

- 3AL5 • 6AL5 • 12AL5

Twin Diode—High-Mu Triode

- 6BN8 • 14GT8

Triple Diode—High-Mu Triode

- 5T8 • 6T8A • 19T8

* Dual-control grids

Beam Tube

• 3BN6 • 4BN6 • 6BN6

Beam Power Tube—Sharp-Cutoff Pentode

‡ 6AL11 ‡ 6BF11 ‡ 12AL11 ‡ 17BF11

Pentode—Beam Power Tube

‡ 6J10 ‡ 13J10

*FM Quadrature-Grid***Sharp-Cutoff Pentode**

• 3DT6A* • 5GY6* • 6GX6*
• 4DT6A* • 6DT6A* • 6HZ6*
• 5CX6*

Beam Tube

• 3BN6 • 4BN6 • 6BN6

*Horizontal AFC***Twin Diode—High-Mu Triode**

• 6BN8 • 8BN8 • 8CN7
• 6CN7

15. FREQUENCY DIVIDERS**High-Mu Twin Double-Plate Triode**

• 12FQ8

16. FM DETECTORS

(See 14. Discriminators)

17. GATED NOISE, AGC, AND SYNC AMPLIFIERS**High-Mu Triode—Sharp-Cutoff Pentode**

• 6KA8 • 8KA8 • 8LC8
• 6LC8

Sharp-Cutoff Pentode

• 6GY6*

Sharp-Cutoff Twin Pentode

• 3BU8 • 4BU8 • 6BU8
• 3GS8 • 4HS8 • 6HS8
• 3HS8

Pentagrid Amplifier

• 3BY6 • 4CS6 • 6CS6
• 3CS6 • 6BY6

18. GROUNDED-GRID RF AMPLIFIERS

(See 5. Cathode-Drive RF Amplifiers)

19. HARMONIC GENERATORS

(See 8. Complex-Wave Generators)

20. HORIZONTAL-DEFLECTION CIRCUITS*Oscillators***Medium-Mu Triode—Sharp-Cutoff Pentode**

• 5GH8 • 6GH8A

Medium-Mu Twin Triode

• 6CG7 • 8CG7 • 12A U7A
• 6SN7GTB • 9AU7 • 12BH7A
• 7AU7 • 12SN7GTA

*Amplifiers***Beam Power Tube**

• 6AU5GT	• 6JG6	• 17GJ5
• 6AV5GA	• 6JG6A	• 17GJ5A
• 6BG6GA	• 6JT6	• 17GT5
• 6BQ6GTB/	• 6KM6	• 17GW6
6CU6	• 12AV5GA	• 17JB6
• 6CB5A	• 12BQ6GTB/	• 17JG6
• 6CD6GA	12CU6	• 17JT6
• 6DQ5	• 12DQ6B	• 22JF6
• 6DQ6B	• 12GT5	• 22JG6
• 6GJ5	• 12GW6	• 25AV5GA
• 6GT5	• 12JB6	• 25BQ6GTB/
• 6GW6	• 12JT6	25CU6
• 6JB6	• 17BQ6GTB	• 25CD6GB
• 6JE6	• 17DQ6B	• 25DN6

21. INTERMEDIATE-FREQUENCY AMPLIFIERS**Medium-Mu Triode—Sharp-Cutoff Tetrode**

• 5CQ8 • 6CQ8

Medium-Mu Triode—Sharp-Cutoff Pentode

• 5AN8 • 6AZ8 • 6CU8
• 6AN8A • 6BH8

High-Mu Triode—Sharp-Cutoff Pentode

• 6AW8A • 6KV8 • 10GN8
• 6GN8 • 8AW8A • 10HF8
• 6HF8 • 8GN8 • 10JA8
• 6JV8 • 8JV8 • 11KV8
• 6KT8

Sharp-Cutoff Pentode

• 3AU6	• 4JC6	• 6DK6
• 3BC5	• 4JD6*	• 6EJ7
• 3CB6	• 5EW6	• 6EW6
• 3CF6	• 6AG5	• 6HS6
• 3DK6	• 6AK5	• 6JC6
• 3JC6	• 6AU6A	• 6JD6*
• 3JD6*	• 6BC5	• 12A U6
• 4AU6	• 6CB6	• 12A U6
• 4CB6	• 6CB6A	• 12DK6
• 4DE6	• 6CF6	• 18G D6A
• 4DK6	• 6DC6	• 19HS6
• 4EW6	• 6DE6	

• Miniature ○ Octal △ Nuistor ▲ Novar
* Dual-control grids ‡ Duodecar

• Approaches semiremote-cutoff characteristics; used in first-if amplifier applications

Sharp-Cutoff Pentode with Diode

- 5AM8 • 6AM8A • 6KL8
- 5AS8 • 6AS8 • 12KL8

Semiremote-Cutoff Pentode

- 3BZ6 • 5GM6 • 6HR6
- 3EH7 • 6BZ6 • 6JH6
- 4BZ6 • 6EH7 • 12BZ6
- 4EH7 • 6GM6 • 19HR6
- 4GM6

Remote-Cutoff Pentode

- 3BA6 • 12BA6 • 18FW6A
- 6BA6 • 18FW6

Remote-Cutoff Pentode with Diode

- 6EQ7 • 12EQ7

22. KEYED AGC AMPLIFIERS

(See 17. Gated Noise, AGC, and Sync Amplifiers)

23. LIMITERS**Beam Tube**

- 3BN6 • 4BN6 • 6BN6

Sharp-Cutoff Pentode

- 3AU6 • 6AU6A • 6HZ6
- 4AU6 • 6GX6 • 12AU6
- 5GX6 • 6HS6 • 19HS6

Sharp-Cutoff Pentode with Diode

- 6KL8 • 12KL8

Power Pentode—Beam Power Tube

- † 6J10 † 13J10

24. MIXERS—RF**Medium-Mu Twin Triode**

- 5J6 • 6J6A

High-Mu Triode

- △ 2CW4 △ 6CW4 △ 13CW4
- 6AB4

25. MIXER-OSCILLATORS—RF**Medium-Mu Triode—Sharp-Cutoff Tetrode**

- 5CL8A • 6CL8A • 19CL8A
- 5CQ8 • 6CQ8

Medium-Mu Triode—Sharp-Cutoff Pentode

- 5AT8 • 5X8 • 6KZ8
- 5B8 • 6AT8A • 6U8A
- 5BR8 • 6BR8A • 6Z8
- 5CG8 • 6CG8A • 9EA8
- 5EA8 • 6EA8 • 9U8
- 5FG7 • 6FG7 • 19EA8
- 5KE8 • 6HB7 • 19X8
- 5U8 • 6KE8

High-Mu Twin Triode

- 6DT8 • 12AT7 • 12DT8

Triode-Hexode

- 6G8 • 12K8

26. MULTIVIBRATORS**Medium-Mu Triode—Sharp-Cutoff Pentode**

- 5GH8 • 6GH8A

Medium-Mu Twin Triode

- 6CG7 • 7AU7 • 12SN7-
- 6GU7 • 8CG7 G1A
- 6SN7GTB • 9AU7
- 12AU7A

High-Mu Twin Triode

- 12AX7A

27. NOISE INVERTERS (NOISE IMMUNE CIRCUITS)**High-Mu Triode—Sharp-Cutoff Pentode**

- 6KA8 • 8KA8 • 8LC8
- 6LC8

Sharp-Cutoff Pentode

- 6GY6*

28. OSCILLATORS*Radio Frequency—UHF***Medium-Mu Triode**

- 2AF4B • 3AF4A • 6AF4A
- △ 2DV4 • 3DZ4 △ 6DV4
- 2DZ4 • 6AF4 • 6DZ4

*Radio Frequency—VHF***Medium-Mu Twin Triode**

- 5J6 • 6J6A

High-Mu Triode

- 6AB4

Power Triode

- 6C4 (Class C)

*Low Frequency, Sweep Type***Medium-Mu Triode—Sharp-Cutoff Pentode**

- 5AN8 • 6BA8A • 8AU8
- 6AN8A • 6BH8 • 8BA8B
- 6AU8A • 6CH8 • 8BH8
- 6AZ8

High Mu Triode with Twin Diode

- 6BN8 • 8BN8 • 8CN7
- 6CN7

High-Mu Twin Triode

- 12AX7A

29. PHASE INVERTERS**Medium-Mu Triode—High-Mu Triode**

- 12DW7

• Miniature

• Octal

△ Nuistor

▲ Novar

* Dual-control grids

† Duodecar

Medium-Mu Twin Triode

- 6CG7 • 7AU7 • 12AU7A
- 6GU7 • 8CG7 • 12SN7-
- 6SN7GTB • 9AU7 • GTA

High-Mu Triode—Sharp-Cutoff Pentode

- 6AW8A • 8AW8A • 10GN8
- 6EB8 • 8EB8 • 10HF8
- 6GN8 • 8GN8 • 10JA8
- 6HF8

High-Mu Twin Triode

- 6SL7GT • 12SL7GT • 7025
- 12AX7A

30. PHASE SPLITTERS**Medium-Mu Triode—Sharp-Cutoff Tetrode**

- 5CQ8 • 6CQ8

Medium-Mu Triode—Sharp-Cutoff Pentode

- 5AN8 • 6BA8A • 8BA8A
- 6AN8 • 6CH8 • 7199
- 6AZ8 • 6CU8

High-Mu Triode—Sharp-Cutoff Pentode

- 6AW8A • 8AW8A

31. RADIO-FREQUENCY AMPLIFIERS**Medium-Mu Triode**

- 2BN4A • 6BC4 • 6BN4A
- 3BN4A

Medium-Mu Triode—Sharp-Cutoff Tetrode

- 5CQ8 • 6CQ8

Medium-Mu Twin Triode

- 4BC8 • 5BQ7A • 6BS8
- 4BQ7A • 5J6 • 6BZ7
- 4BS8 • 6BC8 • 6J6A
- 4BZ7 • 6BK7B • 12AV7
- 5BK7A • 6BQ7A

High-Mu Triode

- △ 2CW4 • 3GK5 • 6ER5
- △ 2DS4 • 3HM5/3HA5 • 6FH5
- 2ER5 • 4GK5 • 6FQ5A
- 2FH5 • 6AB4 • 6GK5
- 2GK5 △ 6CW4 • 6HM5/6HA5
- 3ER5 △ 6DS4 △ 13CW4
- 3FH5

High-Mu Twin Triode

- 6DT8 • 12AZ7A • 12DT8

Power Triode

- 6C4 (Class C)

• Miniature

• Octal

Sharp-Cutoff Tetrode

- 2CY5 • 4CY5 • 6FV6
- 3CY5 • 6CY5

Sharp-Cutoff Pentode

- 3AU6 • 6AK5 • 6DE6
- 3BC5 • 6AU6A • 6SH7
- 3CB6 • 6BC5 • 6SJ7
- 3CF6 • 6BH6 • 12AU6
- 4AU6 • 6CB6 • 12AW6
- 4CB6 • 6CB6A • 12SH7
- 4DE6 • 6CF6 • 12SJ7
- 6AG5 • 6DC6 • 18GD6A

Sharp-Cutoff Pentode with Diode

- 6KL8 • 12KL8

Remote-Cutoff Pentode

- 3BA6 • 6BJ6 • 12BA6
- 6BA6 • 6SK7GT • 18FW6A

Remote-Cutoff Pentode with Diode

- 6EQ7 • 12EQ7

32. REACTANCE CIRCUITS**Medium-Mu Triode—Sharp-Cutoff Pentode**

- 5AN8 • 6BA8A • 6CU8
- 6AN8A • 6CH8 • 8BA8A
- 6AZ8

High-Mu Triode with Twin Diodes

- 6CN7 • 8CN7

High-Mu Triode—Sharp-Cutoff Pentode

- 6AW8A • 8AW8A

33. RECTIFIERS*Power-Supply Types—Vacuum***Half-Wave (Diode)**

- 35W4 • 36AM3B • 50DC4
- 35Z5GT

Full-Wave (Twin Diode)

- 3DG4 • 5V3A • 6CA4
- 5AR4/GF34 • 5VG4 • 6X4
- 5AS4A • 5V4GA • 6X5GT
- 5BC3 • 5XG4 • 12CA4
- 5DJ4 • 5Y3GT • 12X4
- 5U4G • 5Z4 • 25CA4
- 5U4GB

*High-Voltage Types (For rf-rectifier or pulsed low-current applications)—Vacuum***Half-Wave (Diode)**

- 1G3GT/ • 1V2 • 2BJ2
- 1B3GT • 1X2B • 3A2
- 1K3/1J3 • 2AV2 • 3CA3

• Nuvistor

• Novar

34. REGULATORS (HIGH VOLTAGE, LOW CURRENT)

Sharp-Cutoff Beam Triode

• 6BK4A • 6BK4B

35. SYNC AMPLIFIERS

Medium-Mu Triode—Sharp-Cutoff Pentode

• 6AU8A • 6CX8 • 8CX8
• 6AZ8 • 8AU8

Medium-Mu Twin Triode

• 6CG7 • 8CG7 • 12AU7A
• 7AU7

High-Mu Triode with Twin Diode

• 6CN7 • 8CN7

High-Mu Triode—Sharp-Cutoff Pentode

• 6AW8A • 6JV8 • 8JV8
• 6HF8 • 8AW8A • 10HF8

High-Mu Twin Triode

• 12BZ7

36. SYNC CLIPPERS

Medium-Mu Triode—Sharp-Cutoff Tetrode

• 5CQ8 • 6CQ8

Medium-Mu Triode—Sharp-Cutoff Pentode

• 5AN8 • 6AZ8 • 6CX8
• 6AN8A • 6CH8 • 8CX8
• 6AU8A • 6CU8 • 8AU8

High-Mu Triode—Sharp-Cutoff Pentode

• 6AW8A • 6HF8 • 8JV8
• 6EB8 • 6JV8 • 10GN8
• 6GN8 • 8AW8A • 10HF8
• 6GW8/
ECL86 • 8EB8 • 10JA8
 • 8CN8

High-Mu Twin Triode

• 12BZ7

Sharp-Cutoff Twin Pentode

• 3BU8 • 4BU8 • 6BU8
• 3GS8 • 4HS8 • 6HS8
• 3HS8

Pentagrid Amplifier

• 3BY6 • 4CS6 • 6CS6
• 3CS6 • 6BY6

37. SYNC SEPARATORS

Medium-Mu Triode—Sharp-Cutoff Tetrode

• 5CQ8 • 6CQ8

Medium-Mu Triode—Sharp-Cutoff Pentode

• 5AN8 • 6AZ8 • 6HL8
• 5GH8 • 6CU8 • 6GH8A
• 6AN8A • 6CX8 • 8AU8
• 6AU8A • 6GH8 • 8CX8

Medium-Mu Twin Triode

• 6CG7 • 8CG7 • 12AU7A
• 7AU7

High-Mu Triode with Twin Diode

• 6CN7 • 8CN7

High-Mu Triode—Sharp-Cutoff Pentode

• 6AW8A • 6KV8 • 8KA8
• 6EB8 • 6LC8 • 8LC8
• 6GN8 • 8AW8A • 10GN8
• 6HF8 • 8EB8 • 10HF8
• 6JV8 • 8GN8 • 10JA8
• 6KA8 • 8JV8 • 11KV8

High-Mu Twin Triode

• 12BZ7

Sharp-Cutoff Twin Pentode

• 3BU8 • 4BU8 • 6BU8
• 3GS8 • 4GS8/4BU8 • 6HS8
• 3HS8 • 4HS8

Pentagrid Amplifier

• 3BY6 • 4CS6 • 6CS6
• 3CS6 • 6BY6

38. TUNING INDICATORS

Indicator with Triode Unit

6E5

Twin Indicator Units

• 6AF6G

39. VERTICAL-DEFLECTION CIRCUITS

Oscillators and Amplifiers (Combined)

Medium-Mu Triode—Low-Mu Triode

• 6DE7 • 10DE7 • 13DE7
• 6EW7

Medium-Mu Dual Triode

• 6CM7 • 8CM7 • 8CS7
• 6CS7

High-Mu Triode—Low-Mu Triode

• 6CY7 ▲ 6GF7 ▲ 10GF7
• 6DR7 ▲ 6GF7A ○ 11CY7
• 6EA7 ○ 6GL7 • 13DR7
○ 6EM7 • 10DR7 ○ 13EM7
▲ 6FD7 ○ 10EM7 ▲ 13FD7
 ▲ 13GF7

High-Mu Triode—Beam Power Tube

▲ 6KY8 ▲ 15KY8 ▲ 15KY8A
▲ 6KY8A

• Miniature

○ Octal

Δ Nuistor

▲ Novar

*Amplifiers***Low-Mu Triode**

- 12B4A

Medium-Mu Triode

- 6S4A

Beam Power Tube

- 5AQ5
- 6AQ5A
- 6EM5
- 5CZ5
- 6CM6
- 8EM5
- ⊙ 5V6GT
- 6CZ5
- 12AQ5

Power Pentode

- ⊙ 6K6GT

40. VIDEO AMPLIFIERS**Medium-Mu Triode—Sharp-Cutoff Pentode**

- 5AN8
- 6BH8
- 8AU8
- 6AN8A
- 6CU8
- 8BA8A
- 6AU8A
- 6CX8
- 8BH8
- 6AZ8
- 6HL8
- 8CX8
- 6BA8A
- 11LQ8

High-Mu Triode—Sharp-Cutoff Pentode

- 6AW8A
- 6KV8
- 10GN8
- 6EB8
- 6LF8
- 10HF8
- 6GN8
- 8AW8A
- 10JA8
- 6HF8
- 8EB8
- 11KV8
- 6JV8
- 8GN8
- 12KV8
- 6KT8
- 8JV8

Sharp-Cutoff Pentode

- 12BY7A
- † 12HG7

Sharp-Cutoff Pentode with Diode

- 5AM8
- 6AM8A
- 6AS8
- 5AS8

Beam Power Tube

- 6BK5
- 25BK5

Power Pentode

- ⊙ 6AG7
- 6GK6
- 16GK6
- 6CL6

• Miniature

⊙ Octal

Δ Nuvistor

† Diodecar

▲ Novar

For information on picture tubes, refer to the **RCA Picture Tube Characteristics Chart** at the end of the **Technical Data** section.