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Appendix

Valve Equivalents and Near Equivalents

Many of the following valves are only near equivalents. No distinction has been made between special quality types and ordinary types. The valves listed are those used in the circuits in this book or those likely to be found in counting equipment. A few semiconductor equivalents are included.

ASG5121 (See CV797)
BD 302 (see CV5278)
B65 (see CV278)
B152 (see CV455)
B309 (see CV455)
B329 (see CV491)
B339 (see CV492)
B5031 (see GR10M)
CC3L, CV2213, NT2, CV2266.
CCT6, CV6016.
CV131, EF92, W77, V884, 9D6, CV4015, M8161,
E2016, 6CQ6, VP6, 6F21, 6065.
CV138, 6AM6, EF91, 6F12, Z77, R144, SP6, 8D3,
CV4014, 6064, PMO7, HP6, M8083, QA2403.
CV140, 6AL5, EB91, 6D2, EAA91, CV283,
CV4007, DD6, D77, D152, E91AA, 5726, 6097,
M8212, EAA901S, M8079, CV4025.
CV216, OD3, VR150/30, QS150/40, GD150/AS,
KD25, 150C3, GL150/30.
CV278, 6SN7, B65, 13D2, CV1988, CV3627.
CV283 (see CV140)
CV378, 53KU, GZ37.
CV432, ME1400.
CV448, OA81, GEX54, GEX55, 1N476, CV1353.
CV455, ECC81, 12AT7, 12AT7WA, E2157, B152,
B309, 6060, CV4024, ECC801S.
CV491, 12AU7, ECC82, E2163, B329, M8136, 6067,
CV4003, ECC186, ECC802S, 5814A.
CV492, 12AX7, ECC83, B339, E2164, 6057, 6L13,
M8137, CV4004, ECC803S, 12DM7, 12DT7.
CV493, 6X4, U78, EZ90, CV4005.
CV569, 6SL7, CV1985.
CV575, 5U4G, U52, CV841, CV1071.
CV593, GZ32, 5V4, 5AQ4.
CV797, EN91, 2D21, E1955, 20A3, PL21, PL2D21,
5757, M8204, CV4018, 4G/28OK, ASG5121.
CV841 (see CV575)
CV850, 6AK5, EF95, 5654, 731A, CV4010.
CV858, ECC91, 6J6, 6101, M8081, TS52, CV4031..
CV1054, EB34, D63, 6H6, OM3, CV554, CV1301,.
CV1929, CV1930.
CV1376, EF80, 6BX6.
CV1535, EZ80, 6V4.
CV1739, GC10/4B, 6802.
CV1740, GS12C.
CV1832, GD150M, OA2, 150C3, QS1207, 4020,.
6073, CV2903, CV4020.
CV1854, CV1856, 5Y3, U50, CV4027.
CV1862, 6AQ5, EL90, 6005, N727, CV4019.
CV1863, CV1864, 5Z4, R52, CV2748.
CV1929, CV1930 (see CV1054).
CV1985 (see CV569)
CV1988 (see CV278)
CV2127, 6CH6, EL821, EL803, 7D10.
CV2136, 6BW6.
CV2209, 6F33.
CV2213, (see, CC3L)
CV2223, G10/241E.
CV2224, G1/371K.
CV2271, GC10B/S, Z303C, 6482.

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CV2290, VX3163, GEX66, CV7110
 CV2325, GS10C, Z502S, 6476.
 CV2434, Z803U, GTE130T, 6779.
 CV2468, XC18.
 CV2492, E88CC, 6922, CCa, CV5231, CV5472.
 CV2748 (see CV1863)
 CV2975, EL84, 6BQ5, N709, EL171, 6EM5, 6P15.
 CV3627 (see CV278).
 CV3934, 1N34A, OA150
 CV4003 (see CV491).
 CV4004 (see CV492).
 CV4005 (see CV493).
 CV4007 (see CV140).
 CV4010 (see CV850).
 CV4014 (see CV138).
 CV4015 (see CV131).
 CV4018 (see CV797).
 CV4019 (see CV1862).
 CV4024 (see CV455).
 CV4025 (see CV140).
 CV4031 (see CV858).
 CV5072, EZ81, UU12, 6CA4, U709.
 CV5080, EF37A, OM5A, R121.
 CV5106, E1T, 6370.
 CV5122, Z900T, 5823, GTR80M, ASG5823.
 CV5143, GC10D.
 CV5149, 1N191.
 CV5173, 90C1, GD90M, QS1215.
 CV5214, E90CC, 5920, ECC960.
 CV5217, XC23.
 CV5231 (see CV2492).
 CV5277, ET51.
 CV5278, Z510M, BD302, 6844.
 CV5290, VS10G.
 CV5291, Z503M, GR10A.
 CV5348, GTE175M.
 CV5472 (see CV2492)
 CV5820, Z700U, Z70U, 7710.
 CV5842, GR10K.
 CV6016, CCT6.
 CV6044, GC10B/L.
 CV6100, GC10/4B/L.
 CV6103, VS10H.
 CV7004, OC45, CV5105, GET873.
 CV7007, OC77, 2N284A.
 CV7040, OA202, MS4-H.
 CV7047, OA5, CV7048.
 CV7110 (see CV2290).
 CV7114, OA211.
 DD6 (see CV140).
 D77 (see CV140).
 D152 (see CV140).
 EAA91 (see CV140).
 EB34 (see CV1054).
 EB91 (see CV140).
 ECC81 (see CV455).
 ECC82 (see CV491).
 ECC83 (see CV492).
 ECC91 (see CV858).
 ECC960, E90CC.
 ECC962, E92CC
 EF37A (see CV5080).
 EF91 (see CV138).
 EF92 (see CV131).
 EF95 (see CV850).
 EL83, 6CK6.
 EL84 (see CV 2975).
 EL90 (see CV1862).
 EL821 (see CV2127).
 EN91 (see CV797).
 ET51, CV5277, 6700.
 EZ80, CV1535, 6V4.
 EZ81 (see CV5072).
 EZ90 (see CV493).
 E1T, CV5106, 6370.
 E88CC (see CV2492).
 E90CC (see CV5214).
 E92CC, ECC962
 E2016 (see CV131).
 E2163 (see CV491).
 E2164 (see CV492).
 GC10B, GC10B/S (see CV2271).
 GC10B/L (see CV6044).
 GC10/4B, CV1739, 6802.
 GC10/4B/L, CV6100.
 GC10D, CV5143.
 GC10/2P, 6879.
 GD90M (see CV5173).
 GD150A/S (see CV216).
 GD150M (see CV1832).
 GEX34, GEX55 (see CV448).
 GEX66 (see CV2290).
 GL150/30 (see CV216).
 GR10A, Z503M, CV5291.

GI 10M, Z520M, TA542, ZM1020, B5031, 8037.
 GI10K, CV5842.
 GI 0C/S (see CV2325)
 GI 2C, CV1740.
 GI 80M (see CV5122).
 GI 120T, Z806W, ZC1020.
 GI 130T (see CV2434).
 GI 175M, CV5348.
 GI 2 (see CV593).
 GI 7, 53KU, CV378.
 GI 371K, CV2224.
 GI /241E, CV2223.
 KI 25 (see CV216).
 MI 1400, CV432.
 MI 81 (see CV858).
 MI .36 (see CV491).
 MI 137 (see CV492).
 MI 161 (see CV131).
 MI 212 (see CV140).
 NI 2 (see CC3L).
 NI 9 (see CV2975).
 O. 2 (see CV1832).
 O. 5, CV7047.
 O. 31 (see CV448).
 O. 202, CV7040, MS4-H.
 O. 45 (see CV7004).
 O. 3 (see CV216).
 O. 3 (see CV1054).
 O. 5A (see CV5080).
 PL11, PL2D21 (see CV797).
 Q. 50/40 (see CV216).
 Q. 207 (see CV1832).
 Q. 215 (see CV5173).
 R. 1 (see CV1863).
 SI (see CV138).
 T. 542 (see GR10M).
 U. 1 (see CV575).
 U. 3 (see CV493).
 U. 9 (see CV5072).
 V. 5 (see CV131).
 V. 150/30 (see CV216).
 V. 0G, CV5290.
 V. 0H, CV6103.
 V. 4 (see CV131).
 W 7 (see CV131).
 X 18, CV2486.
 X 23, CV5217.

ZC1020, GPE120T, Z806W.
 ZM1020 (see GR10M).
 ZM1021, Z521M.
 ZM1040, Z522M.
 ZM1050, Z550M.
 ZM1060, Z505S.
 ZM1070, Z504S, 8433.
 ZZ1000, 8228.
 Z70U (see CV5820).
 Z70W, Z700W, 7709.
 Z71U, Z701U, 7711.
 Z77 (see CV138).
 Z303C (see CV2271).
 Z502S (see CV2325).
 Z503M, GR10A, CV5291.
 Z504S, ZM1070, 8433.
 Z505S, ZM1060.
 Z510M (see CV5278).
 Z520M (see GR10M).
 Z521M, ZM1021.
 Z522M, ZM1040.
 Z550M, ZM1050.
 Z700U (see CV5820).
 Z700W, Z70W, 7709.
 Z701U, Z50T, 7711.
 Z803U (see CV2434).
 Z804U, 7713.
 Z806W, GPE120T, ZC1020.
 Z900T (see CV5122).
 1N34A (see CV3934).
 2D21 (see CV797).
 5AQ4 (see CV593).
 5V4 (see CV592).
 5U4 (see CV575).
 5Y3 (see CV1854).
 5Z4 (see CV1863).
 6AK5 (see CV850).
 6AL5 (see CV140).
 6AM6 (see CV138).
 6AQ5 (see CV1862).
 6BQ5 (see CV2975).
 6BW6 (see CV2136).
 6CA4 (see CV5072).
 6CH6 (see CV2127).
 6CK6, EL83.
 6CQ6 (see CV131).
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6F21 (see CV131).
6F33, CV2209.
6H6 (see CV1054).
6J6 (see CV858).
6SN7 (see CV278).
6SL7, CV569, CV1985.
6V4, CV1535, EZ80.
8D3 (see CV138).
9D6 (see CV131).
12AT7, 12AT7WA (see CV455).
12AU7 (see CV491).
12AX7 (see CV492).
13D2 (see CV278).
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6057 (see CV492).
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6067 (see CV491).
6073 (see CV1832).
6097 (see CV140).
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6370, E1T, CV5106.
6476 (see CV2325).
6482 (see CV2271).
6700, ET51, CV5277.
6779 (see CV2434).
6802, GC10/4B, CV1739.
6844, Z510M, CV5278.
6879, GC10/2P.
6922 (see CV2492).
7710 (see CV5820).
7711, Z701U, Z50T.
7713, Z804U.
8037, Z520M, ZM1020.
8228, ZZ1000.
8433, Z504S, ZM1070.

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