

Frank's Electron tube Pages

American Substitutes for Foreign Types

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Note: This page is not updated. For more equivalents you can use the [Search](#).

Warning: Tubes are not always 100% equal!

Foreign Types	American Substitutes
108C1	0B2
10C14	19D8
10F18	13EC7
10F9	12AC5
10LD13	14G6
10LD3	14L7
10P18	45B5
10PL12	50BM8
121VP	12AC5
12B-B14	13GB5
12BC32	12AV6
12E13	6550
12F31	12BA6
12G-B3	12GW6
12G-B6	12BQ6GT
12G-B7	13CM5
12G-K17	12D4A
12H31	12BE6
12R-K19	12BR3
13D2	6SN7GT
13D3	6158
141DDT	14L7

141TH	14K7
150C2	0A2
150C3	0D3
150C4	0A2
163PEN	16A5
16A	6AM5
171DDP	17C8
17N8	17C8
18AK5	6028
19AJ8	19D8
19BD	19X3
19M-R9	18GD6
19SU	19Y3
19U3	19X3
19W3	19X3
1C1	1R5
1C2	1AC6
1C3	1AB6
1D13	1A3
1F1	1AJ4
1F2	1L4
1F3	1T4
1FD1	1AH5
1FD9	1S5
1H33	1AQ5, 1R5SF, 1R5
1H35	1AB6
1P1	3C4
1P10	3S4
1P11	3V4
1RK23	1S2

20A3	2D21
20D3	12AH8
20D4	6AJ8
213PEN	21A6
25G-B6	25BQ6GT
30C1	9A8
30C15	9EN7
30C18	7GV7
30F5	7ED7
30FL1	9GB8
30L1	7AN7
30L15	7EK7
30P12	12FB5
30P16	16A5
30P18	15CW5
30P19	25GF6
30P4	25GF6
30PL1	13GC8
30PL10	13GC8
30PL12	16A8
30PL13	16GK8
30PL14	16GK8
311SU	31A3
3M-R24	3DK6
3M-V7	3BZ6
451PT	45A5
4R-HH2	4BS8
4R-HH8	4KN8
4Y25	807
52KU	5Z4G

5M-HH3	5J6
5P29	6CN6
5R-HP1	4BL8
5S1	807
5Z10	5U4G
6/30L2	6GA8
62DDT	6CV7
62TH	6CU7
62VP	6CJ5
63TP	6AB8
64ME	6CD7
64SPT	6BX6
65ME	6BR5
66KU	6BT4
67PT	6CK5
6AT7N	6DT8
6B32	6AL5
6BC32	6AV6
6C10	6CU7
6C12	6AJ8
6C15	6CJ5(*1)
6C16	6BL8
6C18	6GV7
6C9	6CU7
6CC10	5692
6CC31	6J6
6CC42	5670
6CF8	6267
6D1	2B35
6D2	6AL5

6F10	6AC7
6F12	6AM6
6F16	6CJ5
6F18	6EC7
6F19	6BY7
6F21	6CQ6
6F22	6267
6F23	6EL7
6F24	6EJ7
6F25	6EH7
6F26	6BY7
6F29	6EH7
6F30	6EJ7
6F31	6BA6
6F32	6AK5
6F33	6AS6
6F35	6AJ5
6F36	6AH6
6FD12	6DC8
6FX4	6AV4
6G-B3A	6BQ6GT
6G-B6	6DQ6A
6G-B9	6GW6
6G-K17	6AU4GT
6H31	6BE6
6L10	6AG7
6L12	6AQ8
6L13	12AX7
6L16	6CW7
6L31	6AQ5

6L34	6AQ4
6L43	6CL6
6LD12	6AK8
6LD13	6BD7
6LD3	6CV7
6M1	6U5G
6M-H1	6J4
6M-HH3	6J6
6P15	6BQ5
6P17	6AM5
6P9	6BM5
6PL12	6BM8
6R-HH2	6BS8
6R-HH8	6KN8
6R-R8C	5847
6S5G	6E5
6V3P	6R3
6Z31	6X4
6Z4	6BX4
7D10	6CH6
7D11	6550
7D9	6AM5
7F16	6CJ5
85A1	0E3
85A2	0G3
8D3	6AM6
8D4	6W7G
8D5	6BR7
8D6	6BW7
8D7	6BS7

8D8	6267
9D6	6CQ6
9P9	9BM5
9R-AL1	10DE7
A1834	6AS7G
A61	17Z3
A863	6J7GT
AD	6Z3
B152	12AT7
B309	12AT7
B319	7AN7
B329	12AU7
B339	12AX7
B349	7EK7
B36	12SN7GT
B63	6A6
B65	6SN7GT
B719	6AQ8
B729	6GA8
B739	12AT7
B749	12AU7
B759	12AX7
BF451	45A5
BF61	6CK5
BPM04	6AQ5
BR-HP1	8B8
D152	6AL5
D1C	957
D2C	958A
D2M9	6AL5

D3F	959
D61	6CT7
D63	6H6
D717	6AL5
D77	6AL5
DA90	1A3
DAC32	1H5GT
DAF91	1S5
DAF92	1U5
DAF96	1AH5
DC80	1E3
DCC90	3A5
DCF60	1V6
DD6	6AL5
DD7	6AM5
DDR7	6AM5
DF33	1N5GT
DF60	5678
DF62	1AD4
DF67	5911, 6008
DF904	1U4
DF91	1T4
DF92	1L4
DF96	1AJ4
DF97	1AN5
DH118	14L7
DH119	14G6
DH142	14L7
DH149	7C6
DH150	6CV7

DH63	6Q7
DH718	6CV7
DH719	6AK8
DH74	12Q7GT
DH76	12Q7GT
DH77	6AT6
DH81	7B6
DK32	1A7GT
DK91	1R5
DK92	1AC6
DK96	1AB6
DL29	3D6
DL31	1A5G
DL33	3Q5GT
DL35	1C5GT
DL36	1Q5GT
DL67	5913, 6007
DL82	7B6
DL91	1S4
DL92	3S4
DL93	3A4
DL94	3V4
DL95	3Q4
DL96	3C4
DL98	3B4
DM70	1M3
DM71	1N3
DP61	6AK5
DY30	1B3GT
DY70	5642

DY80	1X2A
DY86	1S2
DY87	1S2A
E130L	7534
E180CC	7062
E180F	6688
E180L	7534
E182CC	7119
E182F	5847
E186F	7737
E188CC	7308
E1F	954
E280F	7722
E288CC	8223
E2F	956
E55L	8233
E80CC	6085
E80F	6084
E80L	6227
E80T	6218
E810F	7788
E81CC	12AT7, 6201
E81L	6686
E82CC	12AU7
E83CC	6681
E83F	6689
E84L	7320
E86CF	7643
E88C	6DL4, 8255
E88CC	6922

E90C	5920
E90CC	5920
E90F	6BH6
E90Z	6X4
E91H	6687
E95F	6AK5
E99F	6BJ6
EA50	2B35
EAA901	5726
EAA91	6AL5
EABC80	6AK8
EAF41	6CT7
EAF42	6CT7
EB34	6H6
EB91	6AL5
EBC41	6CV7
EBC80	6BD7
EBC81	6BD7
EBC90	6AT6
EBC91	6AV6
EBF32	6B8
EBF80	6N8
EBF81	6AD8
EBF83	6DR8
EBF85	6DC8
EBF89	6DC8
EC1000	8254
EC55	5861
EC80	6Q4
EC806S	6CM4

EC81	6R4
EC84	6AJ4
EC86	6CM4
EC88	6DL4, 8255
EC90	6C4
EC900	6HA5
EC91	6AQ4
EC92	6AB4
EC94	6AF4
EC95	6ER5
EC97	6FY5
ECC180	6BQ7A
ECC186	12AU7
ECC189	6ES8
ECC230	6080
ECC32	6SN7GT
ECC35	6SL7
ECC70	6021
ECC801	6060
ECC802	6189
ECC803	6057
ECC804	6GA8
ECC81	12AT7
ECC813	6463
ECC82	12AU7
ECC83	12AX7
ECC84	6CW7
ECC85	6AQ8
ECC86	6GM8
ECC88	6DJ8

ECC89	6FC7
ECC91	6J6
ECF200	6X9
ECF201	6U9
ECF80	6BL8
ECF801	6GJ7
ECF802	6JW8
ECF805	6GV7
ECF82	6U8
ECF86	6HG8
ECH200	6V9
ECH35	6E8G
ECH42	6CU7
ECH80	6AN7
ECH81	6AJ8
ECH83	6DS8
ECH84	6JX8
ECL80	6AB8
ECL82	6BM8
ECL84	6DX8
ECL85	6GV8
ECL86	6GW8
EF183	6EH7
EF184	6EJ7
EF190	6CB6
EF22	7A7
EF37	6J7GT
EF39	6K7
EF41	6CJ5
EF71	5899

EF72	5840
EF730	5636
EF731	5899
EF732	5840, 5901
EF734	6205
EF80	6BX6
EF81	6BH5
EF811	6EH7
EF812	6EL7
EF814	6EJ7
EF82	6CH6
EF83	6BK8
EF85	6BY7
EF86	6267
EF87	6267
EF89	6DA6
EF89F	6DG7
EF905	5654
EF91	6AM6
EF92	6CQ6
EF93	6BA6
EF94	6AU6
EF95	6AK5
EF96	6AG5
EF97	6ES6
EF98	6ET6
EFL200	6Y9
EH90	6CS6
EK90	6BE6
EL180	12BY7

EL33	6M6G
EL34	6CA7
EL36	6CM5
EL37	6L6
EL38	6CN6
EL41	6CK5
EL500	6GB5
EL503	8278
EL505	6KG6
EL71	5902
EL80	6M5
EL803	6CK6
EL81	6CJ6
EL82	6DY5
EL820	6CK6
EL821	6CH6
EL822	6CH6
EL83	6CK6
EL84	6BQ5
EL85	6BN5
EL86	6CW5
EL90	6AQ5
EL91	6AM5
EL95	6DL5
ELL80	6HU8
EM34	6CD7
EM80	6BR5
EM81	6DA5
EM84	6FG6
EM840	6FG6

EM87	6HU6
EN91	2D21
EQ80	6BE7
EY500	6EC4
EY51	6X2
EY80	6U3
EY81	6R3
EY81F	6V3
EY82	6N3
EY83	6AL3
EY84	6374
EY86	6S2
EY87	6S2A
EY88	6AL3
EZ35	6X5G
EZ40	6BT4
EZ80	6V4
EZ81	6CA4
EZ90	6X4
EZ900	6063
EZ91	6AV4
F1EL	8278
GZ30	5Z4G
GZ31	5U4G
GZ34	5AR4
H63	6F5GT
HAA91	12AL5
HABC80	19T8
HBC90	12AT6
HBC91	12AV6

HCC85	17EW8
HCH81	12AJ7
HD14	1H5GT
HD30	3B4
HF121	12AC5
HF61	6CJ5
HF93	12BA6
HF94	12AU6
HK90	12BE6
HL90	19AQ5
HL92	50C5
HL94	30A5
HM04	6BE6
HP6	6AM6
HY90	35W4
HZ90	12X4
KD21	0A3
KD24	0C3
KD25	0D3
KL35	1F5G
KT32	25W6GT
KT61	6M6G
KT63	6F6G
KT66	6L6GC
KT71	50L6GT
KT77	6CA7
KT88	6550
KTW63	6J7GT
KTZ63	6K7GT
KTZ63M	6J7GT

L63	6J5
L63B	6J5
L77	6C4
LC900	3HA5
LC97	3FY5
LCC189	5ES8
LCF200	5X9
LCF201	5U9
LCF80	6LN8
LCF801	5GJ7
LCF802	6LX8
LCF86	5HG8
LCH200	5V9
LCL82	11BM8
LCL84	10DX8
LF183	4EH7
LF184	4EJ7
LFL200	11Y9
LL505	27KG66
LL521	21KQ6
LL86	10CW5
LN119	50BM8
LN152	6AB8
LN319	13GC8
LY500	28EC4
LY88	20AQ3
LZ319	9A8
LZ329	9A8
LZ339	9EN7
M8079	5726

M8081	6J6
M8121	5840
N119	45B5
N14	1C5GT
N142	45A5
N144	6AM5
N147	6M6G
N148	7C5
N15	3Q5GT
N150	6CK5
N152	21A6
N153	15A6
N154	16A5
N155	6BN5
N16	3Q5GT
N17	3S4
N18	3Q4
N19	3V4
N25	3C4
N308	25E5
N309	15A6
N329	16A5
N359	21A6
N369	16A8
N379	15CW5
N389	25GF6
N709	6BQ5
N727	6AQ5
N77	6AM5
N78	6BJ5

OBC3	12SQ7
OF1	6S7
OF5	12K7GT
OH4	12A8
OM3	6H6
OM5	6S7
OM6	6K7
OSW2190	6AC7
OSW2192	6AG7
OSW2600	6AC7
OSW2601	6AG7
OSW3104	6SA7
OSW3105	6SQ7
OSW3106	6V6GT
OSW3107	5CG4, 5Z4G
OSW3109	6H6
OSW3110	6E5
OSW3111	6SK7
OSW3112	6J5
P17A	807
PABC80	9AK8
PC86	4CM4
PC900	4HA5
PC95	4GK5
PCC186	7AU7
PCC189	7ES8
PCC805	7EK7
PCC84	7AN7
PCC85	9AQ8
PCC88	7DJ8

PCC89	7FC7
PCE800	9GB8
PCF200	8X9
PCF201	8U9
PCF80	9A8
PCF800	9EN7
PCF801	8GJ7
PCF805	7GV7
PCF806	8GJ7
PCF82	9U8
PCF86	8HG8
PCH200	9V9
PCL800	16GK8
PCL82	16A8
PCL84	15DQ8
PCL85	18GV8
PCL88	16GK8
PF9	6K7
PFL200	16Y9
PH4	6A8
PL1267	0A4G
PL21	2D21
PL302	25GF6
PL36	25E5
PL500	27GB5
PL505	40KG6
PL81	21A6
PL82	16A5
PL820	21A6
PL83	15A6

PL84	15CW5
PLL80	12HU8
PM04	6BA6
PM05	6AK5
PM07	6AM6
PP6BG	6M6G
PY500	42EC4
PY80	19X3
PY800	17Z3
PY801	17Z3
PY81	17Z3
PY82	19Y3
PY83	17Z3
PY88	30AE3
QB309	12AT7
QB65	6SN7GT
QE03/10	5763
QE05/40	6146
QE05/40H	6159
QE06/50	807
QL77	6C4
QN77	6AM5
QQE02/5	6939
QQE03/12	6360
QQE03/20	6252
QQV02-6	6939
QQV03-10	6360
QQV03-20	6252
QV03-12	5763
QV05-25	807

QV06-20	6146
QW77	6CQ6
QZ77	6AM6
R12	6X2
R144	6AM6
R16	1T2
R19	1X2A
R20	2J2
R52	5Z4G
RL21	2D21
S6F12	6AM6
SP6	6AM6
STV108/30	0B2
STV150/30	0A2
SU61	6X2
T2M05	6J6
T6D	2B35
TH62	6E8G
TM12	6J4
U119	38A3
U142	31A3
U147	6X5G
U149	7Y4
U150	6BT4
U151	6X2
U152	19X3
U153	17Z3
U154	19Y3
U191	19CS4
U192	19Y3

U193	17Z3
U251	17Z3
U26	2J2
U309	19X3
U31	25Z4GT
U319	19Y3
U339	19CS4
U349	17Z3
U37	1T2
U381	38A3
U41	1B3GT
U43	6X2
U45	6X2
U49	2J2
U50	5Y3GT
U51	5W4GT
U52	5U4G
U70	6X5G
U707	6X4
U709	6CA4
U718	6BT4
U76	35Z4GT
U77	5AR4
U78	6X4
U82	7Y4
UAF42	12S7
UBC41	14L7
UBC81	14G6
UBF80	17C8
UCH42	14K7

UCH81	19D8
UCL82	50BM8
UF41	12AC5
UL41	45A5
UL84	45B5
UN954	954
UN955	955
UU12	6CA4
UU9	6BT4
UY41	31A3
UY42	31A3
UY82	55N3
UY85	38A3
UY89	38A3
V177	6CQ6
V2M70	6X4
V311	31A3
V312	31A3
V61	6BT4
V884	6CQ6
VP12D	12C8
VP6	6CQ6
W110	13EC7
W118	12AC5
W119	13EC7
W142	12AC5
W143	7A7
W145	12AC5
W147	6K7
W148	7A7

W149	7B7
W150	6CJ5
W17	1T4
W25	1AJ4
W61	6K7
W63	6K7
W719	6BY7
W727	6BA6
W739	6EC7
W76	12K7
W77	6CQ6
W81	7A7
WD142	12S7
WD150	6CT7
WD709	6N8
X107	18FX6
X119	19D8
X14	1A7GT
X142	14K7
X147	6E8G
X148	7S7
X150	6CU7
X17	1R5
X18	1AC6
X20	1AC6
X25	1AB6
X319	6351
X61M	6E8G
X63	6A8
X64	6L7

X719	6AJ8
X727	6BE6
X73	6D8
X73M	6D8
X76M	12K8GT
X77	6BE6
X81	7S7
XAA91	3AL5
XC900	2HA5
XC95	2ER5
XC97	2FY5
XCC189	4ES8
XCC82	7AU7
XCF80	4BL8
XCF801	4GJ7
XCH81	3AJ8
XCL82	8B8
XCL85	9GV8
XF183	3EH7
XF184	3EJ7
XF80	3BX6
XF85	3BY7
XF94	3AU6
XL36	13CM5
XL500	13GB5
XL84	8BQ5
XL86	8CW5
XY88	16AQ3
Y25	1M3
YC95	3ER5

YC97	3FY5
YF183	4EH7
YF184	4EJ7
Z14	1N5GT
Z152	6BX6
Z300T	0A4G
Z329	7ED7
Z550M	8453
Z63	6J7
Z719	6BX6
Z729	6267
Z749	6EL7
Z77	6AM6
Z900T	5823
ZA2	954
ZD152	6N8
ZD17	1S5
ZD25	1AH5
ZZ1000	8228