

Transmitting tubes - old system: AAnn/nn

Two or three letters followed by two sets of figures

1st letter - tube classification	D	Rectifying tube (including grid-controlled tubes)
	M	Triode (AF amplifying tube or modulator)
	P	Pentode
	Q	Tetrode
	T	Triode (RF, AF or oscillator tube)

For tubes having dual systems, this letter is doubled up, e.g. QQxxxx is a double tetrode.

2nd letter (or 3rd for dual systems)	A	Directly heated tungsten filament
	B	Directly heated thoriated tungsten filament
	C	Directly heated oxide-coated filament
	E	Indirectly heated oxide-coated cathode

3rd letter (4th for dual systems) if present. If this letter is not present the tube is radiation cooled.

G	Mercury-vapour
H	Helix or other integral cooling
L	Forced air cooling
W	Water cooling
X	Xenon

1st group of figures:

Rectifiers	Approx DC output voltage in kilovolts per tube in a three-phase half-wave rectifying circuit
Transmitting tubes	Approx max anode voltage in kilovolts

2nd group of figures:

Rectifiers	Approx DC output power in watts or kilowatts per tube in a three-phase half-wave rectifying circuit
RF tubes	Approx output power in watts or kilowatts in Class

C telegraphy use

Modulators	Approx anode dissipation in watts or kilowatts
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Additional letters - tube base

B	Cables
E	Medium 7-pin base
ED	Edison base
EG	Goliath base
G	Medium 4-pin base
GB	Jumbo 4-pin base
GS	Super jumbo 4-pin base
N	Medium 5-pin base
P	P-base

Phototubes and photomultipliers (old system): nnAA

two figures followed by two letters

1st figure - tube base 2 Loctal

3 Octal

5 Special

8 B9A

9 B7G

2nd figure is the serial number

1st letter

A Caesium-Antimony cathode (blue sensitive)

C Caesium on oxidized silver cathode (red sensitive)

T Tialkali cathode

U Caesium-Antimony cathode with quartz window

2nd letter

G gas filled

V high vacuum

Voltage stabilizers (old system)

Number, letter, number, and sometimes an additional letter

Number is the average burning voltage in volts

1st letter	A	max 10mA
	B	max 22mA
	C	max 40mA
	D	max 100mA
	E	max 200mA

2nd figure is serial number

2nd letter - base type	E	Edison
	K	Octal
	P	P-base

Transmitting valves - Mullard code: AAnn-nn

1st letter	M	LF power amplifier or modulator triode
	P	RF power pentode
	Q	RF power tetrode
	R	Rectifier
	T	RF power triode
2nd letter - cathode type	G	Oxide-coated filament in mercury vapour rectifier
	V	Indirectly heated oxide-coated cathode
	X	Directly heated pure tungsten filament
	Y	Directly heated thoriated tungsten filament
	Z	Directly heated oxide-coated filament (except in mercury vapour)
3rd letter if present	S	Silica envelope

1st number is anode voltage in kV followed by a hyphen; 05=0.5kV, 5=5kV etc.

2nd number; for valves up to 5kW anode dissipation, this is the maximum anode dissipation in watts. For water-cooled valves above 5kW the figure is in kW. For rectifiers, the figure indicates the maximum rectified current in mA.

Receiving valves - Mullard/Philips code

1st letter - Heater rating	A	4V
	B	180mA
	C	200mA
	D	0.5 - 1.5V
	E	6.3V
	F	12.6V
	G	5V
	H	150mA
	I	20V
	K	2V DC
	L	450mA
	O	cold cathode? or 150mA?
	P	300mA
	T	Misc.
	U	100mA
	V	50mA
	X	600mA
	Y	450mA

Remaining letters give type(s) of device(s)

A	diode (excluding rectifiers)
AA	double diode with separate cathodes (excluding rectifiers)
B	double diode with common cathode (excluding rectifiers)
C	Triode (excluding power triodes)
D	Power triode
E	Tetrode (excluding power tetrodes)
F	Pentode (excluding power tetrodes)
H	Hexode/heptode (hexode type)
K	Heptode/octode (octode type)
L	Output tetrode, beam tetrode or pentode
M	Tuning indicator
N	Gas filled triode or thyatron
P	Secondary emission
Q	Nonode
S	TV sync oscillator
T	Beam tube
W	Gas rectifier
X	Gas fullwave rectifier
Y	Halfwave rectifier
Z	Fullwave rectifier

Figures - base + serial number

1-10	Various side contacts, octals, specials
11-19	8-pin German octal
20-29	Loctalk B8G; some octal; some 8-way side contact
30-39	Octal
40-49	Rimlok B8A
50-59	B9G; Loctal B8G; Octal; 3-pin glass; Disk-seal; German 10-pin with spigot; min. 4-pin; B26A; Magnoval B9D
60-69	B9G; some submins
70-79	Loctal Lorenz; wire submins
80-89	Noval B9A
90-99	B7G
100-109	B7G; Wermacht base; German PTT base
110-119	8-pin German octal; Rimlok B8A
130-139	Octal
150-159	German 10-pin with spigot; 10-pin glass with one big pin; Octal
160-169	Flat wire submins; 8-pin German octal
170-179	RFT 8-pin; RFT 11-pin all glass with one offset pin
180-189	Noval B9A
190-199	B7G
200-209	Decal B10B
230-239	Octal
270-279	RFT 11-pin all glass with one offset pin
280-289	Noval B9A

300-399 Octal
400-499 Rimlok B8A
500-529 Magnoval B9D; Novar
600-699 Flat wire-ended
700-799 Round wire-ended
800-899 Noval B9A
900-999 B7G
1000- Round wire-ended; special nuvistor
2000- Decal B10B
3000- Octal
5000- Magnoval B9D
8000- Noval B9A

Industrial specification valves

In these, the figures and 2nd+ letters are swapped round. Thus an E88CC is the industrial version of the ECC88.

Professional tubes

AAnnnn - primarily used in TV/radio transmitting equipment, navigation or communications etc.

1st letter	X	Tubes employing photosensitive materials
	Y	Vacuum tubes for transmitting, microwave or industrial applications
	Z	Gas filled tubes (except those with photosensitive materials)
2nd letter	A	Diode
	C	Trigger tube
	D	Triode (including double triodes)
	G	Miscellaneous
	H	Traveling wave tube
	J	Magnetron
	K	Klystron
	L	Tetrode or pentode (including double tetrodes or double pentodes)
	M	Cold cathode indicator or counter tubes
	P	Photomultipliers or radiation counters
	Q	Camera tube
	T	Thyratron
	X	Ignitron, image converter or image intensifier
	Y	Rectifier
	Z	Voltage stabiliser

Figures - the serial number always consists of 4 digits. Prototypes end in 0.

GEC/Marconi/Osram

A letter or letters followed by digits. The digits distinguish between different valves of the same type.

Letter(s)	A	Industrial valve
	B	Double triode
	D	Diode
	GU	Gas filled rectifier
	GT	Gas triode
	H	Signal triode (high impedance)
	KT	Kinkless tetrode (beam tetrode)
	L	Signal triode (low impedance)
	MU	Indirectly heated rectifier
	N	Output pentode
	P	Output triode
	QP	Quiescent push-pull double pentode
	S	Tetrode
	U	rectifier
	VS	vari-mu tetrode
	W	vari-mu pentode
	X	triode hexode/heptode/octode frequency changer
	Y	Tuning indicator
	Z	HF pentode

Figures distinguish between different valves of the same type

American RETMA designation system

Figure group, letter group, figure group (plus additional letters): eg 12AU7

1st figure group: filament or heater voltage

7 and 14 are nominal ratings; actual voltage for '7' should be 6.3 and for '14' should be 12.6.

0	Cold cathode
1	Between 0.1 and 2.1
2	Between 2.1 and 2.9
3	Between 3.0 and 3.9
5	Between 5.0 and 5.9
6	Between 6 and 6.9
7	Between 7 and 7.9

Letter group: letter(s) indicate the serial order of assignment of the designation.

Letters U, V, W, X, Y and Z are commonly used for rectifiers

S as a first letter indicates single-ended tubes, related to grid-cap tubes.

S as a second letter indicates single-ended tubes.

Combinations like AB, AC, AD and AE were used when all the single letters were used up.

P as a second letter indicates a CRT.

Wherever possible, the 12V equivalent of a 6V tube had the same letters, just 12 instead of 6.

2nd figure group is the number of useful elements; in metal tubes the shell counts as one element.
Base shielding does not count.

Additional letters:

A, B, C	Indicates a minor change
G	Glass bulb, ST-12 to ST-16 size
GC	Glass Compact
GT	Glass bulb, T-9 size
GT/G	Glass bulb, T-9 size interchangeable with G and GT types
LT	Locking base
M	Metal envelope
WA	High quality version
X	low loss ceramic base for HF use
Y	low loss phenolic base for HF use

Cathode Ray Tubes

One letter followed by two groups of numbers and one or two letters: Ann-nnAA

1st Letter

1st letter

A	TV display for domestic use
D	Single trace oscilloscope tube
E	Multiple trace oscilloscope tube
F	Radar display, direct view
L	Display storage tube
M	TV display for professional use, direct view
P	Display tube for professional use, projection
Q	Flying spot scanner

1st figure group: for rectangular screens the diagonal in cm; for round screens the diameter in cm.

2nd group of figures is the serial number

Final letters indicate the screen properties:

A	Reddish purple, purple, bluish purple
B	Purplish blue, blue, greenish blue
D	Blue-green
G	Bluish green, green, yellowish green
K	Yellow-green
L	Orange, orange-pink
R	Reddish orange, red, pink, purplish pink, purplish red, red-purple
V	Greenish yellow, yellow, yellowish orange
W	'standard white' TV tube phosphor
X	Tri-colour screen

2nd letter is a serial letter to denote other specific difference in screen properties.

New	Old	Designation	Flourescence	Phosphorescence	EIA number	Colour	Persistence
BA	C		Purplish blue				Very short
BC	V		Purplish blue				Killed
BE	B	P11	Blue	Blue			Medium short
BF	U		Purplish blue				Medium short
GE	K	P24	Green	Green			Short
GH	H	P31	Green	Green			Medium short
GJ	G	P1	Yellowish green			Yellowish green	Medium
GK	G		Yellowish green			Yellowish green	Medium
GL	N	P2	Yellowish green			Yellowish green	Medium short
GM	P	P7	Purplish blue	Yellowish green			Long
GP		P2	Bluish green	Green			Medium short
GR		P39	Green	Green			Long
GU			White	White			Very short
LA	D		Orange	Orange			Medium
LB	E		Orange	Orange			Long
LC	F		Orange	Orange			Very long
LD	L	P33	Orange	Orange			Very long
W	W	P4	White				
X	X	P22	Tri-colour screen				
YA	Y		Yellowish orange			Yellowish orange	Medium

Type GK is used in projection screens.

CRT's - Old system

two letters followed by two sets of figures

1st letter indicates type of focussing and deflection

- A Electrostatic focussing and electromagnetic deflection
- D Electrostatic focussing and deflection
- M Electromagnetic focussing and deflection

2nd letter indicates the phosphor.

- B Blue fluorescence and phosphorescence, short persistence
- C Blue/Violet fluorescence and phosphor., very short persistence
- F Orange fluorescence and phosphorescence, very long persistence
- G Green fluorescence and phosphorescence, medium persistence
- L Orange fluorescence and phosphorescence, long persistence
- N Blue-green fluorescence and green phosphor., long persistence
- P Blue fluorescence and green phosphorescence, very long persistence
- R Greenish-yellow flour. and yellow phosphor., long persistence
- W Picture tube, white screen colour, short persistence

1st figure group is the screen diameter in cm for round tubes, or the screen diagonal in cm for rectangular tubes.

2nd figure group is the serial number.

CRT's - American RETMA system

Figure(s), letter(s), P, figure(s)

1st figure(s): for round screen, diameter in inches; for rectangular screen, diagonal in inches

1st letters are a serial number

P followed by number indicates screen characteristics

Suffix letter, if present, indicates a later and modified version. The letter W indicates a military type, and precedes any further suffix letter.

Mazda code

Digits, letters, digits; easy to confuse with the RETMA system!

1st digits give heater voltage, except 10, 20 and 30 indicate 100mA, 200mA, 300mA. Letters

Letters give type of valve

Mazda codes tend not to double up letters, thus L can also indicate a double triode.

- C Frequency changer
- D Signal diode
- F Signal tetrode/pentode
- FD Signal tetrode/pentode plus diode(s)
- FL Signal tetrode/pentode plus triode
- K Thyatron
- L Signal triode
- LD Signal triode plus diode(s)
- M Tuning indicator
- P Output tetrode/pentode
- PL Output tetrode/pentode plus triode
- U Halfwave rectifier
- UU Fullwave rectifier

Final digits are used to distinguish between valves.

RAF

Letters followed by digits

Letters

- VCR Valve Cathode Ray (CRT)
- VGT Valve Gas Triode (thyatron)
- VI Valve Indicator (magic eye)
- VR Valve Receiving
- VS Valve Stabilising
- VT Valve Transmitting
- VU Rectifier

British Army

Letters followed by digits

ACR Army CRT
AR Army Receiving valve
ARD Army Receiving Diode
ARDD Army Receiving Double Diode
ARH Army Receiving Hexode
ARP Army Receiving Pentode
ARS Army Receiving Screen-grid (tetrode)
ARTH Army Receiving Triode/Hexode
ARTP Army Receiving Triode/Pentode
AT Army Transmitting valve
ATP Army Transmitting Pentode
ATS Army Transmitting Screen-grid (tetrode)
AU Army rectifier
AW Army stabiliser

Royal Navy

Letters followed by digits

NC Navy CRT
NGT Navy Gas Triode (thyatron)
NR Navy Receiving valve
NS Navy Stabiliser
NT Navy Transmitting valve
NU Navy rectifier

German defence valves

Generally these use a special base, and the type numbers consist of R for army (Wehrmacht) and navy (Kriegsmarine) or L for the Luftwaffe.

German Army/Navy

1st letter	R	
2nd letter	D	Dekametric wavebands
	G	(Gleichrichter) rectifier or diode
	K	CRT
	L	Transmitting or power
	V	(Verstärker) Amplifier

1st number is heater voltage

3rd letter	A	Cathode ray indicator
	D	Dual anode
	G	Rectifier or diode
	H	Hexode
	L	Speed modulation; laufzeit tube
	M	Magnetic deflection tube
	MM	Double magnetic deflection tube
	MS	Magnetic and electric deflection tube
	P	Pentode
	SS	Double electric deflection tube
	T	Triode

Final number is power output in watts for power valves, coefficient of amplification for amplifiers, or maximum rectified current for rectifiers.

German Air-force

two letters and a number (1st letter L)

1st letter	L	
2nd letter	B	Kathodebeam tube (CRT)
	D	Sendtube (HF)
	F	Special (ionoscope, photocell, ...)
	G	Rectifier or diode
	K	Stabiliser
	M	Magnetron
	S	Sendtube (LF)
	V	Amplification tube (LF)

The number was just a sequence number.

Exceptions: SA (rectifier), SD (triode), SF (pentode) all with 1.9V heaters.

Mazda TV tube code

Starting with a C, followed by the screen size in mm, the 2 letters and a number. 1st letter=deflection M=magnetic, S=electrostatic; 2nd letter is screen colour B=blue, G=green, R=radar long-persistence, W=white. Final number is sequential.

CV (Common Valve) and VT (US Army) all require tables to convert as there is no sequence.

Old Philips code

1st letter - heater current	A	0.06 to 0.10A
	B	0.10 to 0.20A
	C	0.20 to 0.40A
	D	0.40 to 0.70A
	E	0.70 to 1.25A
	F	> 1.25A
1st or 1st+2nd digit(s) - heater voltage		
last two digits indicate device type	41, 51 etc.	Tetrode with space charge grid (G2 is control grid)
	42, 52 etc.	Tetrode with screen grid (G1 is control grid)
	43, 53 etc.	Power pentode
	44, 54 etc.	Triode or tetrode plus diode
	45, 55 etc.	HF tetrode with variable gain
	46, 56 etc.	HF pentode
	47, 57 etc.	HF pentode with variable gain
	48, 58 etc.	Hexode frequency changer
	49, 59 etc.	Hexode with variable gain
Suffix letter if present	N	New version
	S	Special enhanced type

Russian valves

1st element	ГК	Generator tubes (TX) up to 25MHz	
	ГУ	Generator tubes (TX) 25 to 600MHz	
	ГС	Microwave TX tubes	
	ГМ	Modulator tubes	
	В	High power tubes	
	СГ	Voltage stabilisers	
	СТ	Current stabilisers	
	Т	Thyratrons	
	ГГ	Gas discharge rectifiers	
	ГР	Mercury gas discharge rectifiers	
	Ф	Photocells/photomultipliers	
	ФЭУ	Photocells/photomultipliers	
	Heater volts	for receiving tubes	
	Screen diameter (cm)	for picture tubes	
	2nd element	Д	Diodes
		Х	Double diodes
		С	Triodes
		Э	Tetrodes
		П	Power tetrodes/pentodes
К		Remote cutoff pentodes	
Ж		Sharp cutoff pentodes	
В		Secondary emission pentodes	
А		Mixing tubes with signal grids	
Б		Pentodes with diode(s)	
Г		Triodes with diode(s)	
Е		Tuning indicators	
И		Triodes with hexode, heptode or octode	
Н		Double triodes	
Р		Double tetrodes/pentodes	
Ф		Triode/pentodes	
Ц		Rectifiers	
Sequence number		Gas discharge tubes, power rectifiers	
Г		Gas thyratrons	
Р		Mercury thyratrons	
Х		Cold cathode thyratrons	
ЛО		Electrostatic deflection CRTs	
ЛМ		Electromagnetic deflection CRTs	
ЛК		TV CRTs	
Third element		Type sequence number	
Fourth element		С	Glass
		Ж	HF glass, side leads
		К	Ceramic
		П	Miniature glass, 19 & 22.5mm
		Г	Submini > 10mm
	Б	Submini 10mm	
	Р	Submini 4mm	

A	Submini 6mm
Л	Lock-in-key
Д	Disc leads
TX and modulator tubes	
A	Water cooled
Б	Air cooled
Picture tubes	
Letter	Screen details, phosphor etc.
'hot' Thyratrons, gas discharge, power rectifiers	
x/y	x=average current in A; y=reverse voltage in kV

One or more letters may be added

В	High reliability tube (military)
Е	Long life tube (military)
И	Designed for impulse operation
К	Vibration resistant

For current regulators

[A] B[V1-V2]	A=current in Amps, V1 - V2 is voltage range
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Soviet Tube Coding and Transcription to Latin alphabet 1959 standard coding

Pre-WW2 soviet tube coding consisted of 2 or 3 cyrillic letters followed by 3-digit code.

Well before WW2 began, FDR was fueling Joe Stalin, pumping tubes and tube-building machinery by shiploads.

In 1939 (according to post-WW2 sources), this new machinery already produced the American tube types under their original names, in such amounts that in the same 1939 the American convention, transcribed to Greek letters, became a codified standard, so far coexisting with indigenous naming convention.

Military hardware received from the U.S. in 1941-45 was equipped mostly with VT-coded tubes.

VT-tubes left very scarce traces in Soviet tube annals, just like British tubes.

Of course, most of these VT-s were destroyed in action soon upon arrival and never needed maintenance.

But I presume the main reason is that civilian American tube codes were a generally accepted standard well before WW2.

Original octal tube codes like 6J5, 6N7 etc. that were reproduced as is in the Soviet Union received names directly transcribed from originals. For simplicity, only one 'middle' letter was left out.

The trailing number lost its 'pin count' designation, becoming simply a serial number.

Eventually, the code table was extended to accommodate nearly all new tube types, and as the pre-WW2 designs were retired, became a unified standard (1959).

Some older tubes survived until the end of tube era with original non-standard names (i.e. G807).

Gas regulators usually follow the 1959 standard, omitting heater voltage code.

1959 Standard Tube Coding

Letter in <brackets>: Greek-to-Latin transcription used in this site

Heater Voltage (rounded to integer), omitted for gaseous regulators

↑
6C45Π-E
↓ ↓ ↓ ↘

Device Type

A: <A>: Dual-Control Converter Tubes
Б: : Diode-Pentode
B: <V>: Secondary Emission Tubes
Г: <G>: Diode-Triode
Д: <D>: Single Diode
E: <E>: Indicator (Magic Eye)
Ж: <J>: RF Pentode, sharp cutoff
И: <I>: Triode+Heptode
K: <K>: Pentode, extended cutoff
H: <N>: Dual Triode
P: <R>: Dual Tetrode
Π: <P>: Audio Pentode / Tetrode
C: <S>: Single Triode
Φ: <F>: Triode-Pentode
X: <H>: Dual signal diode
Ц: <Z>: Rectifier diode
Э: <EE>: RF Tetrodes
СГ: <SG>: Gaseous Regulator

Package

A: <A>: submini, 6-8 mm diameter
Б: : submini, 10.2 mm diameter
Д: <D>: Disk Seal
Ж: <J>: Glass Acorn
K: <K>: Ceramic
Л: <L>: Locking base
H: <N>: Nuvistor
Π: <P> Glass, 19-22.5 mm diameter (9 or 7 pin)
P: <R>: Sub-Submini 5mm diameter
C: <S>: Glass larger than 22.5 mm diameter

(omitted) for octal metal types

Improved versions

B: <V>: Mechanically ruggedized
E: <E>: Extended lifetime (3000-10000 hour rating)
K: <K>: Vibration Resistant
И: <I>: Pulse Mode Rated

(omitted) base versions

Notes:

- The second element (Device Type) is sometimes inconsistent. For example, TV damper diodes can be found under both *Z** (Rectifiers) and *D** (Single Signal Diode) coding. They all can be used as AC power rectifiers within their I/V ratings. Similar confusion with 6F6S - it's a pentode and not a Triode+ Pentode as letter *F** suggests. But it's a glass incarnation of #6F6.

- The fourth element (Package Type) refers to package size (by diameter), not by base type. For example, 6V3S tetrode has the same 9-pin miniature base as 6N1P, but it is listed under ***S package type because of its oversized (24.5mm diameter) glass shell. It is NOT an octal tube as it may seem at first glance

- Some very rugged tube types do not carry 'advanced' suffixes, because they were originally designed to advanced specs. Some other rugged tubes exist only as -E or -EV grades (i.e., 6S45P-E and 6N30P-EV exist, but no one ever heard of plain 6S45P or 6N30P). Anyway, the curves and nominal PIV for regular and improved versions are identical, with very few exceptions. One exception that I know are 6S3P and 6S3PE, indeed two different tubes.

Transmitter/Modulator tube coding

Although a few transmitting tubes were named within 1959 standard framework, most transmitter tubes follow a different name convention that goes back to the 1930-s. These names consist of two or three letters followed by *number* and a *suffix letter*:

- GK - Oscillator, Shortwave, up to 25MHz
- GU - Oscillator, 25- 600MHz
- GS - Oscillator, above 600MHz
- GI - Pulsed Oscillator
- GM - Oscillator Modulator
- GMI - Pulsed Oscillator Modulator

Suffix stands for:

A Forced Liquid Cooling

B Forced Air Cooling

no suffix: Convection Cooling.

Transmitting valves; AAnnAA format

1st Letter

R Transmitting valves
Z Special amplifying and modulating valves

2nd Letter

A Diode
D Triode
E Tetrode

Figures indicate dissipation in W or kW; if the letter after the figures is V, X, Y or Z, then this figure is kW.

Letters after the figures

V Vapour cooled
X Air cooled
Y Water cooled
Z Water cooled

Next letter

A,B,C,D,E Valves with stems and wire feed-through connectors
F,G,I Valves with pressed glass bases and prong feed-through connectors
H,J,K Valves with thoriated tungsten cathodes
L,M,N,O,P Valves of coaxial design

If there is only one letter, then the valve is an all-glass radiation or air-cooled type; if the penultimate letter is V, X, Y or Z the valve has an external anode. The letter S at the end indicates a special design.

Sperry microwave valve designations

1st letter always S

2nd letter - function

A Amplifier klystron
B Backward wave oscillator
M Multiplier klystron
O Oscillator klystron
R Reflex klystron
T Travelling wave tube

3rd letter - band:

C 4 to 8.2GHz
E 63 to 86GHz
F 86 to 110GHz
K 18 to 26.5GHz
L 500MHz to 2GHz
M 40 to 63GHz
P 250 to 500MHz
S 2 to 4 GHz
U 12.4 to 18GHz
V 26.5 to 40GHz
X 8.2 to 12.4GHz

Japanese Encoding System - JIS

First digit : aprox. filament voltage

First letter :

- D** - super miniature
- G** - octal
- L** - locktal
- M** - miniature 7 pin
- N** - nuvistor
- R** - miniature 9 pin
- X** - 4 pin
- Y** - 5 pin
- Z** - 6 pin
- W** - 7 pin
- T** - large 7 pin
- B** - other

First letter after hyphen :

- L** - small triode with $\mu < 30$
- H** - small triode with $\mu > 30$
- A** - power triode
- R** - sharp cutoff RF tetrode or pentode
- V** - remote cutoff RF tetrode or pentode
- B** - Power beam tetrode
- P** - power pentode
- D** - detector diode
- K** - kenotron
- G** - gas rectifier
- E** - magic eye

Last digit :

Indicates differences in characteristics. For rectifiers - even digit for full wave rectifier, odd digit for half wave rectifier.

CV Valves

CV1	DO51	CV96	R3/16	CV188	7475	CV286	QS95/10	CV391	5B/255M
CV2	E1228	CV97	R2/10	CV189	BS4	CV287	ACT23	CV392	VCRX241
CV3	AFN202	CV98	R2/38	CV190	DLS10	CV288	ACT23	CV393	VX7026
CV4	E1229	CV99	E1373	CV191	E1494	CV289	G400	CV394	EM34
CV5	4049D	CV100	V2D33B	CV192	E1481	CV290	E1527	CV395	QS150/45
CV6	E1148	CV105	E1371	CV199	NT99	CV292	E1481	CV396	VCRX245
CV8	E1356	CV108	BM313	CV200	MZ2-200	CV295	BS54	CV397	DET24
CV9	AL60	CV109	9KP5	CV201	V630	CV296	DDR2	CV398	715-B
CV12	E1191	CV110	VS68	CV202	YF	CV298	FA15	CV399	MH4
CV13	BT9B	CV114	E1265	CV207	AC/P4	CV299	V230A/1K	CV400	3E7
CV14	XN	CV115	E1415	CV208	1487	CV302	ECH22	CV401	V1043
CV15	E1226	CV116	KR6/1	CV209	MX57	CV303	EF22	CV402	BS68
CV16	S25A	CV117	E1417	CV211	V2030B	CV304	EL22	CV403	FVD7
CV18	DET19	CV118	SP61	CV212	LS594	CV305	EF51	CV404	8R7
CV19	EHT1	CV119	XJ	CV214	E1531	CV306	MX52	CV405	927
CV20	V1906	CV120	MF	CV215	E1497	CV307	QV04-7	CV406	E1423
CV21	VP41	CV121	V1920	CV216	VR150-30	CV309	QV04-7	CV408	A1714
CV22	BT45	CV122	E1336	CV217	KRN3	CV310	NHP1	CV409	A1820
CV24	HL41	CV123	E1330	CV218	KRN3	CV311	54/444	CV410	K3A
CV25	4242A	CV124	807	CV219	E1046	CV312	ESU74	CV411	GM5
CV26	813	CV125	2043	CV220	631/P1	CV313	QSY50-P40	CV412	A800
CV27	4357A	CV126	E1362	CV221	E1516	CV315	TY1-51	CV413	G150/2D
CV28	ACT9	CV127	S30A	CV222	E1489	CV319	E1453	CV415	TT15
CV29	E1235	CV128	SU750	CV223	KRN2A	CV320	E4103/B/4	CV416	6F17
CV30	4270A	CV129	KRN2A	CV224	KRN2A	CV321	KT66	CV417	EC91
CV31	U20	CV130	KRN3	CV225	ACT17	CV326	15B	CV418	MX2
CV32	RG3-250A	CV131	9D6	CV228	DV40B	CV327	EF52	CV419	EC91
CV33	4077A	CV132	V885	CV229	1336	CV328	L9	CV420	VCRX277
CV34	MR10	CV133	6C4	CV230	DV55	CV329	6F33	CV421	CAT20C
CV38	E1198	CV135	EY91	CV232	MF	CV335	VCR522B	CV422	QS108/45
CV39	S22AF	CV136	7D9	CV233	B55	CV336	VCR522C	CV423	25SN7
CV40	E1255	CV137	EAC91	CV234	DV56	CV337	27M1	CV424	QQV06-40
CV41	E1267	CV138	EF91	CV235	U23	CV338	E1524	CV425	CG1-C
CV42	E1256	CV139	6L34	CV236	E1465	CV339	24B2	CV426	EY51
CV44	E1155	CV140	6AL5	CV237	KR6/2	CV342	DLS19	CV427	5D21
CV45	S130P	CV141	U4B	CV238	RK6/3	CV343	V894	CV428	5B/245M
CV46	8011	CV142	XP1.5	CV240	ACT24	CV344	E1323	CV429	12AEP6
CV49	3B/501A	CV143	U3	CV242	GS18	CV345	12E1	CV430	29C1
CV51	A1320	CV144	U4	CV243	4045A	CV346	EZ22	CV431	85A1
CV52	E1231	CV145	U5	CV244	AF2	CV347	EBC21	CV432	ME1400
CV53	3A/146J	CV147	U7	CV245	4328D	CV349	V2030E	CV433	BC1CE
CV54	V960	CV148	U8	CV248	GS16	CV350	E1368	CV434	QS75/60
CV55	E1190	CV149	U7	CV249	4019A	CV352	EBC33	CV435	GT11
CV56	E1325	CV150	PK150	CV250	CMG25RS	CV353	M500	CV436	ACT25
CV57	E1271	CV152	GU21	CV251	MX57	CV354	ME1005	CV437	KT76
CV58	E1273	CV153	E1411	CV252	ACR22	CV355	E1511	CV438	G120/1B
CV62	E1046	CV154	E1419	CV253	CS3A	CV356	E1511	CV439	22/11BXA
CV63	E1323	CV155	E1190	CV254	9L01A	CV357	DL65747	CV440	1601ABC
CV64	E1342	CV158	KR3	CV256	NS2	CV358	EF37A	CV441	V1052
CV65	Pen25	CV159	AL1	CV257	ACT22	CV359	NE17	CV442	GEX35
CV66	RL37	CV160	E1342	CV258	E1273	CV360	NE18	CV443	CK505AX
CV69	E1326	CV161	E1342	CV259	E1495	CV361	5B/700A	CV444	MZ1-75
CV71	ASGL1M	CV162	5Z094	CV260	SP61	CV363	VX363	CV445	5J/180E
CV72	V1120	CV163	5744-WA	CV261	R10	CV366	6AG7	CV446	3Q/260E
CV73	11E3	CV164	CG3E	CV262	9MP6	CV367	1N21B	CV447	4078GA
CV74	ESU74	CV165	CS36A	CV263	VX3026	CV368	9-3	CV448	GEX54
CV75	4313C	CV166	GEX54/3	CV264	AP1188	CV369	1B35	CV449	85A2
CV76	E1359	CV167	TY4/500B	CV265	19E2	CV370	2J42	CV450	EL38
CV77	K TUBE	CV168	XD60	CV266	E1336	CV371	19G6	CV451	ET3
CV78	E1379	CV169	XD61	CV267	E1336	CV372	3C45	CV452	6AT6
CV79	E1429	CV170	12SF7-GT	CV268	E1330	CV374	S3A	CV453	6BE6
CV80	VF01	CV171	210VPT	CV269	VCR97	CV375	EA50	CV454	6BA6
CV81	VF08	CV172	E1468	CV271	V986	CV377	V1135C	CV455	12AT7
CV82	3A/147J	CV173	EF55	CV272	KR6/4	CV378	53KU	CV456	E1633
CV84	4033A	CV174	E1459	CV273	5861	CV379	ACT19	CV458	BTR32
CV85	V2023	CV175	XSG1.5	CV275	V1042	CV380	EF54	CV459	BTR34
CV86	V1507	CV176	XP1.5	CV276	11E2	CV381	VX4024	CV460	BS48
CV87	KRN2	CV177	813	CV277	19G3	CV382	T24/40JA	CV461	BS92
CV88	DV32	CV178	E1458	CV278	E1606	CV383	T24/40JB	CV462	BS84
CV89	E1380	CV180	KR4	CV279	NG16	CV384	DET5	CV463	BS82
CV90	E1368	CV181	ECC32	CV281	X61	CV385	DL71	CV464	9L01A
CV92	E1332	CV182	E1488	CV282	E4504/M/16	CV386	DF70	CV465	EF72
CV93	V625	CV185	PM202	CV283	6AL5	CV387	DL72	CV466	EF73
CV94	DS103	CV186	E1342	CV284	STV30/20	CV388	VX4055	CV467	EF70
CV95	R3/10	CV187	U19	CV285	VA35	CV389	VCRX210	CV468	EC70

CV469	EA76	CV550	25A6	CV626	808	CV709	72	CV785	1T4
CV470	VX8036	CV551	26L6	CV627	810	CV710	368A	CV786	1T5
CV471	EL70	CV552	25L6	CV628	811	CV711	32	CV787	2A7
CV472	EF74	CV553	25L6	CV629	814	CV712	38	CV788	832-A
CV473	EY70	CV554	D63	CV630	826	CV713	1B27	CV789	3C24
CV474	5643	CV555	25Z5	CV631	828	CV714	C6A	CV790	2AP1
CV475	EF71	CV556	QP25	CV632	829	CV715	6F5-GT	CV791	2B7
CV476	T921	CV557	D42	CV633	829-A	CV716	8013-A	CV792	2C22
CV477	5899	CV558	25Z6	CV634	832	CV717	5R4-GY	CV793	2C33
CV482	A237	CV559	25Z6	CV635	833	CV718	5FP7	CV794	2D2
CV483	QV04-7R	CV560	TSP4	CV636	836	CV719	2J21-A	CV795	2D4-A
CV484	DL92	CV561	35L6	CV637	837	CV720	723-A	CV796	2D13-C
CV486	V2046A	CV562	35L6	CV638	838	CV722	725-A	CV797	2D21
CV487	6RT/51	CV563	DA30	CV639	843	CV723	1619	CV798	2E22
CV488	BS90	CV564	35Z3	CV640	860	CV724	816	CV800	2J22
CV489	BT75	CV565	35Z3	CV641	861	CV725	1B24	CV801	2J54
CV490	19H5	CV566	RG-2	CV642	872-A	CV726	35Z3	CV802	2C26
CV491	12AU7	CV567	35Z5	CV643	875-A	CV727	1N21	CV803	2V3
CV492	12AX7	CV568	35Z5	CV644	875-A	CV728	1P66T	CV804	2V3
CV493	6X4	CV569	ECC35	CV645	876	CV729	5V4	CV805	50Y6
CV494	B12	CV570	3Q/195E	CV646	879	CV730	6A3	CV807	3A4
CV495	5802	CV571	50L6	CV647	884	CV731	6F6	CV808	3A5
CV496	CG14	CV572	6X5	CV648	885	CV732	6W4-GT	CV809	3A105B
CV498	NE17	CV573	6X5	CV649	956	CV733	REL8D	CV810	3AE
CV499	5B/256M	CV574	EZ35	CV650	958	CV734	228-A	CV811	1291
CV500	6T7	CV575	5U4	CV651	991	CV735	845	CV812	3B24
CV501	EBF32	CV576	1B26	CV652	1603	CV736	905	CV813	959
CV502	LD210	CV578	6A8	CV653	1611	CV737	906	CV814	3BP1
CV503	5W4	CV579	6A8	CV654	1612	CV738	953	CV815	3D6
CV504	6U5	CV580	6A8	CV655	1613	CV739	3AP1	CV816	3DP1
CV505	MT16	CV581	6C5	CV656	1616	CV740	5MP1	CV817	3EP1
CV506	GL8023	CV582	6C5	CV657	1620	CV741	5LP1	CV818	3Q4 / N18
CV507	REL64	CV583	6G5	CV658	1622	CV742	FG67	CV819	3Q5
CV508	4B49	CV584	GS146	CV659	1625	CV743	GET2	CV820	354
CV509	6V6-G	CV585	6C6	CV660	6AC7	CV744	GET4	CV821	4A1
CV510	6V6	CV586	EL37	CV661	6AB7	CV745	HK24	CV822	4B24
CV511	6V6	CV587	6Q7	CV662	8012	CV746	469P1	CV823	7A
CV512	6W7	CV588	6Q7	CV663	8025	CV747	6AC7	CV824	4E27
CV513	4J53	CV589	6Q7	CV664	9002	CV748	725-A	CV825	4SHA
CV514	2J36	CV590	6SJ7	CV665	9003	CV749	1N23-A	CV826	4THA
CV515	6V6	CV591	6SJ7	CV666	9004	CV750	01-A	CV828	4TPB
CV516	3GP1	CV592	6SJ7	CV667	9005	CV751	HY75	CV829	4TPB
CV517	OZ4-A	CV593	GZ32	CV668	35T	CV752	0A4	CV830	4TSP
CV518	AC/VP1	CV594	6SH7	CV669	279A	CV753	1A3	CV831	5AP1
CV519	Pen4DD	CV595	6SH7	CV670	HK645	CV754	1A4-P	CV832	5AP1
CV520	VP2B	CV596	2C45	CV676	726-A	CV755	1A5	CV833	89
CV521	R4410	CV597	2X2-A	CV677	761-A	CV756	1A5	CV834	5B300B
CV522	7B7	CV598	715-C	CV678	702-A	CV757	1A6	CV835	5BP1
CV523	12Y4	CV599	1851	CV679	703-A	CV758	1B4-P	CV836	5BP4
CV524	TT12	CV600	5CP1	CV683	316A	CV759	1B5	CV837	12C8
CV525	12A6	CV601	5BP1	CV684	274-B	CV760	1B7	CV838	5CP7
CV526	12A6	CV602	3AP1	CV685	VR150-30	CV761	1B22	CV839	5GP1
CV527	DA60	CV603	10	CV686	0C3	CV762	1C21	CV840	5H4
CV528	VA16	CV604	30	CV687	446-B	CV763	1CA4	CV841	5U4
CV529	12AH7	CV605	32	CV688	2C43	CV764	1D4	CV842	5W4
CV530	6T1E	CV606	37	CV689	700-A	CV765	1D7	CV843	6AB5
CV531	12C8	CV607	38	CV690	RK48-A	CV766	1E5-GP	CV844	6AC5
CV532	GU11	CV608	41	CV691	357-A	CV767	1F4	CV845	6AC5
CV533	CAT17C	CV609	42	CV692	OZ4	CV768	1F5-G	CV846	6AC7
CV534	12J5	CV610	45	CV693	HF300	CV769	1F6	CV847	6AF6-G
CV535	12J5	CV611	56	CV694	12SG7	CV770	1F7	CV848	6AG5
CV536	4120/AA	CV612	57	CV695	700-B	CV771	1G5	CV849	6AC7
CV537	12SA7	CV613	58	CV696	700-C	CV772	1G6	CV850	6AK5
CV538	12SA7	CV614	75	CV697	12SJ7	CV773	1G6	CV851	6B4
CV539	G71E	CV615	76	CV698	12SJ7	CV774	1H4	CV852	6C4
CV540	12SC7	CV616	77	CV699	700-D	CV775	1LA6	CV854	6C7
CV541	1B3	CV617	80	CV700	12SF7	CV776	1LB4	CV855	6C21
CV542	5J23	CV618	83	CV701	ESA892	CV777	1LC5	CV856	6G8
CV543	12SK7	CV619	84	CV702	830B	CV778	1LC6	CV857	6H7
CV544	12SK7	CV620	211	CV703	12K8	CV779	1LD6	CV858	6J6
CV545	AC/SP3	CV621	801	CV704	RK20A	CV780	1LH4	CV859	6J8
CV546	12SQ7	CV622	802	CV705	1D5-GP	CV781	1LN5	CV860	6K5
CV547	12SQ7	CV623	803	CV706	6U7	CV782	1R5	CV861	6K5
CV548	LP2	CV624	804	CV707	HK54	CV783	1S4	CV862	6L5
CV549	25A6	CV625	805	CV708	161	CV784	1S5	CV864	6P7

CV865	6SD7	CV944	27	CV1057	EK32	CV1141	DPQ	CV1261	RX3-120
CV866	6SJ7-Y	CV945	28D7	CV1058	EP60	CV1142	MR75	CV1262	GU1
CV867	6SR7	CV946	28D7	CV1059	955	CV1143	GT1A	CV1263	RG1-125
CV869	6V5-GT	CV947	31	CV1060	807	CV1144	BT19	CV1264	U18
CV870	6V7	CV948	32L7	CV1061	DET19	CV1145	BT9/A	CV1265	U15
CV871	6Z5	CV949	33	CV1062	TY1-50	CV1147	BT35	CV1266	U15
CV872	6Z7	CV950	E4103/B/4	CV1064	U12/14	CV1148	E1289	CV1267	U4020
CV873	6ZY5	CV951	32A	CV1065	SP61	CV1149	BT41	CV1268	5Y3
CV874	7	CV952	4081	CV1066	P61	CV1151	PM3	CV1279	MU2
CV875	1642	CV953	32	CV1067	6J5	CV1152	PM4DX	CV1280	6L7
CV876	7A6	CV954	20K	CV1068	STV280/40	CV1153	PM254	CV1281	KTW61
CV877	7A7	CV955	4409	CV1069	STV280/80	CV1155	DEQ	CV1282	MSP4
CV878	7A8	CV956	4602	CV1070	7475	CV1156	DEQ	CV1283	SP4
CV879	7B4	CV957	32	CV1071	U52	CV1158	PM14	CV1284	MS/PEN
CV880	7B5	CV958	26J	CV1072	GU50	CV1159	PM14	CV1285	6N7
CV881	7B5	CV959	20K	CV1073	H63	CV1160	104V	CV1286	6L6
CV882	7B6	CV960	E4504/B/16	CV1074	6J7	CV1161	104V	CV1287	KT32
CV883	7B8	CV961	NC13	CV1075	KT66	CV1163	PD220A	CV1288	244V
CV884	7BP7	CV962	E4504/E/16	CV1076	DA41	CV1165	VMS4	CV1289	1561
CV885	7C5	CV963	CV1596	CV1077	EM31	CV1166	P220	CV1290	SU2150A
CV886	7C5	CV964	E4205-B	CV1078	D1	CV1167	PM24A	CV1291	HVR2
CV887	7C6	CV966	E4504/M/16	CV1079	KT8	CV1168	PX4	CV1293	PT6
CV888	7D7	CV967	E4103/B/4	CV1080	4307A	CV1169	VMP4G	CV1296	MU14
CV889	7D8	CV979	DSL10	CV1081	4052A	CV1170	D41	CV1300	10D1
CV890	7E5	CV982	X962106	CV1082	220TH	CV1171	AT4	CV1301	6H6
CV891	7E6	CV983	X961101	CV1083	210VTP	CV1172	VMP4G	CV1302	D42
CV892	7E7	CV984	S2A	CV1087	14L	CV1173	354V	CV1303	PM1HF
CV893	7F7	CV986	15A	CV1088	832	CV1174	KT42	CV1304	LP2
CV894	7G7	CV987	NC13A	CV1089	TV03-10A	CV1175	AP4	CV1305	4D1
CV895	7H7	CV988	X961101	CV1090	E1046	CV1176	AP4	CV1306	HL23DD
CV896	7K7	CV989	41D5	CV1091	EF50	CV1177	4D1	CV1307	PM1LF
CV897	7J7	CV995	6AJ5	CV1092	EA50	CV1178	DA30	CV1308	TDD2A
CV898	7N7	CV996	EL32	CV1095	954	CV1179	ML4	CV1309	4019B
CV899	7Q7	CV997	3092	CV1096	5B/502A	CV1180	244V	CV1310	KC1
CV900	7R7	CV998	2000T	CV1097	ECR60	CV1181	KT41	CV1311	B406
CV901	7Y4	CV999	3C22	CV1098	E960T	CV1182	H42	CV1312	220-RC
CV902	7W7	CV1000	4D1	CV1099	X66	CV1183	W42	CV1313	220LF
CV904	892R	CV1001	SU2150A	CV1100	KTW62	CV1184	A373	CV1314	DLS10
CV905	9HP7	CV1002	E1192	CV1101	MHLD6	CV1186	6F6	CV1316	4021B
CV906	1602	CV1018	215SG	CV1102	BL63	CV1187	D41	CV1317	5625
CV907	12A	CV1019	PM2	CV1103	Y63	CV1188	N43	CV1318	VS24
CV908	12A5	CV1020	220P	CV1104	PT15	CV1189	AC/6Pen	CV1319	PM12V
CV909	12A7	CV1021	210LP	CV1105	ML6	CV1190	AC/P4	CV1320	SP2
CV910	12A8	CV1022	220PA	CV1106	9D2	CV1191	KTZ41	CV1321	9D2
CV911	12B8	CV1023	230XP	CV1107	15D2	CV1192	Z62	CV1322	SP210
CV913	12DP7	CV1025	DET25	CV1108	8D2	CV1193	X65	CV1323	VP2
CV914	12DP7	CV1027	210LF	CV1109	4D1	CV1194	X41	CV1324	SP4
CV915	12FP7	CV1028	220VSG	CV1110	S130	CV1195	6M7	CV1325	42MPT
CV916	12H6	CV1029	ESU150	CV1111	V1907	CV1196	AC5PENDD	CV1326	AC4PEN
CV917	12J7	CV1030	4060A	CV1112	V1026	CV1197	EC53	CV1327	Pen1340
CV918	12K7	CV1031	ESG250	CV1113	U17	CV1198	AC/P4	CV1328	7D8
CV919	12SF5	CV1032	220-B	CV1114	E1024	CV1200	202	CV1329	PenA4
CV920	12SF5	CV1034	DET3	CV1116	V872	CV1201	4317	CV1330	TSP4
CV921	12SF7	CV1035	QP21	CV1117	41MTL	CV1202	304	CV1331	VP23
CV922	12SK7	CV1036	220PA	CV1118	KT2	CV1205	E1007	CV1332	VP21
CV923	12SJ7	CV1037	MH4	CV1119	DDL4	CV1206	D060	CV1333	220IPT
CV924	12SL7	CV1038	MHL4	CV1120	SU3150A	CV1207	ES50	CV1334	KT24
CV925	12SN7	CV1039	1561	CV1121	T41	CV1208	PM256	CV1335	SP41
CV926	4B35	CV1040	PX25	CV1122	41XMP	CV1219	MZ1-100	CV1336	SP42
CV927	12Z3	CV1041	PM12M	CV1123	EF8	CV1220	4033L	CV1337	116PEN
CV928	13-4	CV1042	210LF	CV1124	MS/PEN	CV1221	PZ1-75	CV1338	220VPT
CV929	13SPA	CV1043	210PG	CV1125	MS/PENB	CV1222	ACT6	CV1339	KT41
CV930	14F7	CV1044	210DDT	CV1126	4SH	CV1223	DET5	CV1340	KT45
CV931	15	CV1045	X56	CV1127	Pen46	CV1235	DET12	CV1341	MSP4
CV932	446A	CV1046	PT25H	CV1128	GT1C	CV1237	PM24D	CV1342	QP25
CV933	15E	CV1047	TZ05-50	CV1129	MS/PEN	CV1238	PM24D	CV1343	KTZ73
CV934	15R	CV1048	210SG	CV1130	HL23	CV1240	PZ1-35	CV1344	TP22
CV936	24A	CV1049	210SPT	CV1131	41DS	CV1246	PM202	CV1345	TP25
CV937	25A7	CV1050	HL2	CV1133	V960	CV1250	4279A	CV1347	ECH35
CV938	25AC5	CV1051	Pen220A	CV1134	HVR2	CV1252	4212E	CV1349	RG5-500
CV939	25B6	CV1052	EL32	CV1135	E1148	CV1255	E1232	CV1350	TB3/750
CV940	25B8	CV1053	EF39	CV1136	EF54	CV1256	E1232	CV1351	TB4/1250
CV941	HK24	CV1054	EB34	CV1137	EC52	CV1257	E1155	CV1352	EM80
CV942	25Y5	CV1055	EBC33	CV1138	E4412/B/9	CV1259	ESU450	CV1353	OA81
CV943	26	CV1056	EF36	CV1140	12MD6	CV1260	ESU208	CV1354	OA85

CV1355	ESU300	CV1443	R1	CV1546	12MD6	CV1651	G455B	CV1732	ML4
CV1356	U22	CV1444	42SPT	CV1552	VX3B	CV1652	P220A	CV1733	4108AG
CV1357	SG250	CV1445	4012A	CV1553	ESU450X	CV1653	KC1	CV1734	3Q/213E
CV1359	ME41	CV1446	4107B	CV1565	230XP	CV1655	4019B	CV1735	DC2P
CV1361	MZ05-20	CV1447	4030D	CV1567	2C25	CV1656	LS8	CV1737	MW6-2
CV1362	DET25	CV1448	4043-C	CV1568	4062A	CV1657	4020B	CV1738	R5161
CV1363	DET16	CV1449	4064B	CV1569	R3	CV1658	LS9B	CV1739	GC10/4B
CV1364	807	CV1450	4227A	CV1570	EK32	CV1659	4022B	CV1740	GS12C
CV1365	4282B	CV1451	4274A	CV1571	VT58A	CV1660	LS7	CV1741	EL34
CV1366	V248A	CV1452	4300A	CV1572	807	CV1661	DL	CV1742	BK44
CV1367	V245	CV1453	4378	CV1573	4074B	CV1662	P215	CV1743	BS64
CV1368	V266	CV1454	225DU	CV1574	SP41	CV1663	4021B	CV1744	15L01A
CV1369	4061A	CV1455	411U	CV1575	VU17A	CV1664	B406	CV1745	62BT
CV1370	PV1-35	CV1456	Pen383	CV1576	KT38	CV1665	DH	CV1746	30C12P1
CV1371	PZ1-35	CV1457	VP133	CV1577	E1143	CV1666	P610	CV1747	M505
CV1372	4069A	CV1458	41MP	CV1578	EF50	CV1667	LS8A	CV1748	TTR31MC
CV1373	PY3-600	CV1459	MU2	CV1579	954	CV1668	4033L	CV1749	205D
CV1374	807	CV1460	X41	CV1580	E1235	CV1669	P625	CV1750	33A/100A
CV1375	EF85	CV1461	U22	CV1581	ECH35	CV1670	HL1320	CV1751	34
CV1376	EF80	CV1462	A915	CV1582	S130	CV1671	4021A	CV1752	35
CV1377	GZ34	CV1463	CBL31	CV1585	T41	CV1672	Pen36C	CV1753	35A5
CV1379	20K	CV1464	EF39	CV1586	HL23	CV1673	PM2HL	CV1754	35TG
CV1380	20K	CV1466	P57	CV1587	ECR35	CV1674	AC/S2/PEN	CV1755	1626
CV1382	ACR10	CV1467	PY3-600	CV1588	ECR30	CV1675	N43	CV1756	1629
CV1384	41DS	CV1468	SP4	CV1592	E4504/C/16	CV1676	LS8A	CV1757	9001
CV1385	E4504/B/16	CV1469	Z22	CV1596	091	CV1677	AS52	CV1758	1L4
CV1386	ACR3	CV1470	3P/270B	CV1597	E4103/B/4	CV1678	HLA2	CV1759	2C26-A
CV1387	ACR4	CV1471	4049A	CV1598	41DS	CV1679	DA30	CV1760	2J26
CV1388	ACR5	CV1472	CMG25	CV1600	CAT1	CV1680	PM202	CV1761	3FP7
CV1389	ACR6	CV1473	CMG25	CV1601	CAR1	CV1681	TSP4	CV1762	6AK6
CV1390	ECR35	CV1474	CE20	CV1602	CAR4	CV1683	MKT4	CV1763	6J4
CV1391	E4504/E/16	CV1475	M501	CV1603	4104A	CV1684	APP4C	CV1764	CE2
CV1393	ACR17	CV1476	M507	CV1604	SS1971	CV1685	APP4C	CV1765	5664
CV1394	ACR18	CV1477	M507	CV1605	4013-C	CV1686	D418	CV1766	CX25
CV1397	E4504/M/16	CV1478	M501	CV1606	CAT2	CV1687	D418	CV1768	7076
CV1400	C1C	CV1479	M501	CV1607	OC2.5	CV1688	4033L	CV1769	2A6
CV1401	CL33	CV1480	M501	CV1608	U4	CV1689	PA1	CV1770	7A4
CV1402	CY31	CV1481	M501	CV1609	SW7	CV1690	9A1	CV1771	39/44
CV1403	DD41	CV1482	M501	CV1610	MT4	CV1691	DDL4	CV1772	47
CV1404	EF36	CV1483	M519	CV1611	MR4	CV1692	AC/P	CV1773	82
CV1405	E1199	CV1484	M519	CV1612	VT9B	CV1694	3A/144A	CV1774	112A/12A
CV1406	HL41	CV1485	M519	CV1614	ES1500A	CV1695	DH30	CV1775	36
CV1407	Pen45	CV1486	M519	CV1615	ESU1500	CV1696	B21	CV1776	6D7
CV1408	P41	CV1495	M528	CV1618	ES250M	CV1697	X41	CV1777	7C7
CV1409	SP2	CV1496	M528	CV1619	4212E	CV1698	A819	CV1778	101D
CV1410	TH2	CV1497	M528	CV1620	DET6	CV1699	SP41	CV1779	102D
CV1411	TH41	CV1498	M528	CV1621	ESW501	CV1700	SP41	CV1780	30TWIN
CV1412	TV4	CV1499	M528	CV1622	4052A	CV1701	XL0	CV1781	310-B
CV1413	UU6	CV1500	M528	CV1623	RGL250	CV1702	XP	CV1782	340A
CV1414	VP41	CV1501	E1192	CV1624	P21-75	CV1703	XW	CV1783	9JP1
CV1415	4011A	CV1502	KT32	CV1625	RG3-250	CV1704	57	CV1784	6AK7
CV1417	ES85	CV1503	KT33C	CV1626	RG1-240A	CV1705	58	CV1785	1N26
CV1418	10D1	CV1504	V1901	CV1627	5D/100A	CV1706	2B7	CV1786	3K33
CV1419	11D3	CV1505	MH41	CV1628	GU8	CV1707	3A5	CV1787	4C35
CV1420	4078A	CV1506	ESP450	CV1629	RG3-1250A	CV1708	80	CV1788	3J31
CV1422	3D/10A	CV1508	V1913	CV1630	ESP450	CV1709	6D6	CV1789	5FP14
CV1423	9D2	CV1510	E1242	CV1632	1N82	CV1710	6C6	CV1790	7Z4
CV1424	20A1	CV1515	MX1	CV1633	3V4	CV1711	6B7	CV1791	5LP1
CV1425	7D5	CV1517	E4504/C/16	CV1634	XB2	CV1712	42	CV1792	1960
CV1426	EK2	CV1518	09D	CV1635	5A/163K	CV1713	EF8	CV1793	724-B
CV1427	EF9	CV1519	V1042	CV1636	LS5	CV1714	EF9	CV1794	959
CV1428	EBC3	CV1521	E4412/M/9	CV1637	LS5	CV1715	EBC3	CV1795	723-A/B
CV1429	EL2	CV1522	E413-B4	CV1638	4101D	CV1716	E1541	CV1796	DW4
CV1431	ACT16	CV1525	E4205/C/7	CV1639	4101E	CV1717	4307A	CV1797	4081A
CV1432	CMG8	CV1526	3EG1	CV1640	4002D	CV1718	ACTP	CV1798	2051
CV1433	EC31	CV1527	VLS492AG	CV1641	4102E	CV1719	U22	CV1799	350-B
CV1434	EM4	CV1529	E4412/E/9	CV1642	DER	CV1720	XL1.5	CV1800	1A7
CV1435	GU2	CV1530	6LY1	CV1643	E132	CV1721	XL1.5	CV1801	GS118
CV1436	HL2	CV1535	EZ80	CV1644	E1532	CV1722	A901	CV1802	1A7
CV1437	E1143	CV1536	1608ABA	CV1645	E133	CV1723	V257	CV1803	1C5
CV1438	KT61	CV1537	3ACP2	CV1646	E1453	CV1724	5A/102D	CV1805	DL35
CV1439	MT9F	CV1538	5J32	CV1647	LS5B	CV1726	5A/105A	CV1806	1D5
CV1440	MT9L	CV1539	D15	CV1648	4205E	CV1727	Z22	CV1807	2J31
CV1441	MT12A	CV1540	33B/152M	CV1649	6C5	CV1728	262B	CV1808	2J32
CV1442	MT14	CV1543	12MD6	CV1650	LS5A	CV1731	S130	CV1809	2J33

CV1810	3J34	CV1894	6B8	CV1972	6SF5	CV2171	A2087	CV2286	E4412/E/9
CV1811	1D8	CV1895	STV/70/60	CV1973	6SF5	CV2173	G10H	CV2287	G10H
CV1812	1E7	CV1896	6C8	CV1974	6S7	CV2174	G240/2D	CV2288	DL66
CV1813	2DP1	CV1897	4J34	CV1975	6S7	CV2175	DG7-5	CV2289	U37
CV1814	5LP1	CV1898	4J35	CV1976	MV6-5	CV2179	A2134	CV2290	GEX36
CV1815	6Q5	CV1899	6L18	CV1977	UL41	CV2180	19H4	CV2291	1909A
CV1816	6Y3	CV1900	6D6	CV1978	6SG7	CV2181	BS104	CV2293	XB-1
CV1817	1G4	CV1901	6F11	CV1979	61BT	CV2183	X661	CV2295	3E29
CV1818	1H5	CV1902	6D8	CV1980	185BT	CV2185	88D	CV2296	NSP2
CV1819	6P5	CV1903	592	CV1981	6SK7	CV2187	Z239/1G	CV2299	DL73
CV1820	1H5	CV1904	CAA322	CV1982	6SK7	CV2188	W7/2D	CV2300	3A4
CV1821	1N5	CV1905	4-65A	CV1984	6SC7	CV2189	V24C/2K	CV2301	E4412/C/9
CV1822	2J48	CV1906	6E5	CV1985	6SL7	CV2190	V233A/1K	CV2302	1CP1
CV1823	1N5	CV1907	CS2-C	CV1986	6SN7	CV2191	DK13/2	CV2304	K324
CV1824	1Q5	CV1908	6F5	CV1988	6SN7	CV2192	9MW5AX	CV2306	BS122
CV1825	KT45	CV1909	6F5	CV1989	SD6	CV2193	89D	CV2307	BS120
CV1826	1Q5	CV1910	6F5	CV1990	6SQ7	CV2194	G400/1K	CV2308	BS116
CV1827	M510	CV1911	6F6	CV1991	6SQ7	CV2195	EF91	CV2309	BS118
CV1828	M512	CV1912	6F6	CV1992	1267	CV2199	GC10A	CV2310	GEX64
CV1829	1T5	CV1913	GS44X	CV1993	6SS7	CV2201	E2043	CV2314	MP31-55
CV1830	1B3	CV1914	4J31	CV1995	6ST7	CV2202	XE2	CV2315	C12B
CV1831	2A3	CV1915	6F7	CV1996	6ST7	CV2203	GHT1	CV2316	6260-B
CV1832	0A2	CV1916	3B/151A	CV1999	1-V	CV2204	TD03-10F	CV2317	6260-C
CV1833	0B2	CV1917	6F8	CV2000	5A/159M	CV2205	E4103/E/34	CV2321	6D86W/S
CV1834	2A5	CV1918	6F8	CV2006	EF55	CV2208	G50/1G	CV2322	BR161
CV1835	3B28	CV1919	6F4	CV2029	G180/2G	CV2209	6F33SPECIAL	CV2323	BR179
CV1836	4B26	CV1920	6LD20	CV2101	DF72	CV2210	5544	CV2325	Z502S
CV1837	2B7	CV1921	U24	CV2102	DL75	CV2212	13D3	CV2328	MF31-35
CV1838	QQZ04-15	CV1923	TTR31MR	CV2103	DF73	CV2213	NT2	CV2329	4004B
CV1839	6F13	CV1924	TY2-125	CV2104	DAF70	CV2214	3B/240M	CV2331	DL64
CV1841	BS52	CV1926	6G6	CV2105	DF70	CV2215	5545	CV2338	F2
CV1842	2G	CV1927	B142	CV2106	DL66	CV2216	30E8/P1	CV2343	K335
CV1843	2Y2	CV1928	12BA6	CV2107	DF66	CV2217	6K25	CV2347	5B/258M
CV1844	GS3/B	CV1929	6H6	CV2108	9M06A	CV2218	6157	CV2348	5B26
CV1846	5T4	CV1930	6H6	CV2109	VX4099	CV2220	5B/257M	CV2349	EN30
CV1847	19H4	CV1931	6H6	CV2110	E2004	CV2221	V235A-1K	CV2352	DG16-21
CV1848	20A2	CV1932	6J5	CV2115	U41	CV2223	G10/241/K	CV2353	R61010
CV1849	5W4	CV1933	6J5	CV2116	VX5029	CV2224	G1/371K	CV2354	R6015
CV1850	6L19	CV1934	6J5	CV2124	BK24	CV2225	150B2	CV2358	W7/1D
CV1851	5X4	CV1935	6J7	CV2125	BD78	CV2229	M502A	CV2360	5A6
CV1852	5X4	CV1936	6J7	CV2126	3V/42DB	CV2231	E2266	CV2361	DL69
CV1853	6P25	CV1937	6J7	CV2127	6CH6	CV2232	DDX52	CV2362	M525
CV1854	5Y3	CV1938	6K6	CV2128	6A,J8	CV2233	G5H	CV2363	M525
CV1855	UU9	CV1939	37X50	CV2129	5763	CV2234	X662	CV2364	M525
CV1856	5Y3	CV1940	6K6	CV2130	TT16	CV2235	EY84	CV2365	M525
CV1857	5Y4	CV1941	6K7	CV2131	5022	CV2236	Z800U	CV2367	M525
CV1858	BS62	CV1942	6K7	CV2132	90AV	CV2237	1AD4	CV2368	M525
CV1859	BS4A	CV1943	6K7	CV2133	90CG	CV2238	5672	CV2369	AA76
CV1860	30D5	CV1944	6K8	CV2134	90CV	CV2239	5676	CV2370	3S4
CV1861	5Z3	CV1945	6K8	CV2135	8D5	CV2240	3B4	CV2371	DF61
CV1862	6AQ5	CV1946	6K8	CV2136	6BW6	CV2241	DY70	CV2372	MF22-75
CV1863	5Z4	CV1947	6L6	CV2137	E4504/M/16	CV2245	3J/160E	CV2373	M502A
CV1864	5Z4	CV1948	6L6	CV2138	GM4	CV2247	G5H	CV2374	GD60
CV1865	6R4	CV1949	6D4	CV2139	EHM2	CV2253	ME1501	CV2375	GD100
CV1867	6A6	CV1950	6L7	CV2140	B6	CV2254	5678	CV2376	M521
CV1868	5T01-A	CV1951	6L7	CV2141	B6E	CV2255	Z801U	CV2382	EL822
CV1869	12T01A	CV1953	6N6	CV2142	B12E	CV2256	X662	CV2383	BR191
CV1870	6A7	CV1954	6N6	CV2143	B24	CV2257	UD166C	CV2384	ZS10C
CV1871	K307	CV1955	EF91	CV2144	B24E	CV2258	C43B	CV2389	CXT1
CV1873	6AB7	CV1956	6N7	CV2145	M6	CV2259	DL68	CV2390	3A4
CV1876	1852	CV1957	6N7	CV2146	DM6	CV2260	DF64	CV2393	BA9-20
CV1878	6AD7	CV1958	6N7	CV2147	G24H	CV2263	K305	CV2394	DA42
CV1879	HP4101	CV1959	50C5	CV2148	GM5B	CV2266	CC3L	CV2399	2G/473C
CV1880	7BM1-A	CV1960	6R6	CV2149	GM1B	CV2269	ME1401	CV2400	CXT2
CV1882	6AG7	CV1961	12AU6	CV2150	MX103	CV2270	90AG	CV2412	M253
CV1883	4H/180E	CV1962	6R7	CV2151	MX105	CV2271	GC10B	CV2413	SX642
CV1884	33A/158M	CV1963	6R7	CV2152	MX107	CV2273	K312	CV2414	XC305/1
CV1885	6B5	CV1964	6R7	CV2153	MX108	CV2274	BS114	CV2416	C1133
CV1886	EC80	CV1965	ET30	CV2154	S1M2	CV2275	DC70	CV2418	GHT2
CV1887	6B6	CV1966	6SA7	CV2155	S1M5	CV2276	Z319	CV2420	JPT9-01
CV1888	EC81	CV1967	6SA7	CV2159	BR153	CV2277	13E1	CV2421	JPT9-02
CV1889	TSY4-500	CV1968	CWS24A	CV2160	ESU77	CV2281	M537	CV2424	M549
CV1891	6B7	CV1969	6SC7	CV2161	K301	CV2282	K308	CV2425	M539
CV1892	2K28	CV1970	6SC7	CV2163	ACT28	CV2283	VX7069	CV2426	M529
CV1893	6B86	CV1971	1T4	CV2166	4J50	CV2284	4J50	CV2428	25110

CV2431	DG7-32	CV2566	205E	CV2650	12AY7	CV2736	3C24	CV2830	AC/TH1
CV2432	6025	CV2567	205F	CV2651	707-B	CV2738	RG1-240	CV2831	2C51
CV2433	DF63	CV2569	210DET	CV2652	709-A	CV2742	114	CV2832	AC/VP2
CV2434	6779	CV2570	210HF	CV2653	714-A	CV2743	4033AF	CV2833	AF3
CV2449	7182	CV2571	210HL	CV2654	715-A	CV2744	4J34	CV2834	AGT1
CV2450	7182	CV2572	450TH	CV2655	715-B	CV2745	4050AG	CV2835	5R4-WGY
CV2451	7182	CV2573	5651	CV2656	724-A	CV2746	4064A	CV2836	APP4G
CV2452	7182	CV2574	210VPA	CV2657	800	CV2747	6U5-G	CV2837	APP4G
CV2473	JP9-250F	CV2575	5670	CV2658	806	CV2748	5Z4	CV2839	AR300
CV2486	XC18	CV2576	211SP	CV2659	3D21-A	CV2749	4081	CV2840	5UP7
CV2487	QV2-250B	CV2577	26A7	CV2660	809	CV2750	89J	CV2841	ARP12T
CV2492	E88CC	CV2578	5687	CV2661	812	CV2751	4096AB	CV2842	6C4-W
CV2493	E88CC/01	CV2579	218	CV2662	5639	CV2752	4PR60-A	CV2843	6J6-W
CV2497	MG13-11	CV2580	220-C	CV2663	815	CV2753	5684	CV2844	6X4-W
CV2498	DP16-22	CV2581	2200T	CV2664	822	CV2754	5685	CV2845	LS5
CV2500	3524	CV2582	220VS	CV2665	825	CV2755	4251AX	CV2846	S5B
CV2501	40	CV2584	231D	CV2666	829B	CV2756	4260A	CV2847	5704
CV2502	41FP	CV2585	39	CV2668	846	CV2759	4304	CV2848	CK707
CV2503	41MH	CV2586	240-B	CV2669	849	CV2760	430-B	CV2849	K1051
CV2504	41MHL	CV2587	242-C	CV2670	849H	CV2761	4304BB	CV2850	AT200A
CV2505	41MPG	CV2588	244A	CV2671	851	CV2762	4316A	CV2851	3D22
CV2506	41MPT	CV2589	250TH	CV2672	852	CV2764	4606	CV2852	2J56
CV2507	1U4	CV2591	100TH	CV2673	852	CV2765	4673	CV2853	RZ1-250
CV2508	41STH	CV2593	257A	CV2674	863	CV2766	4687	CV2854	6AN5
CV2509	41FP	CV2594	258-B	CV2675	864	CV2767	4960	CV2855	6K4
CV2510	1Z2	CV2595	259A	CV2676	865	CV2768	8003	CV2856	1N23B
CV2511	420T	CV2597	262A	CV2678	5799	CV2769	9006	CV2857	1N23BM
CV2512	420TDD	CV2598	264A	CV2679	866J	CV2770	13077	CV2858	3B24-W
CV2514	43	CV2599	264-C	CV2680	868	CV2772	23043	CV2859	5846
CV2516	2C39-A	CV2600	267-B	CV2683	878	CV2773	68503	CV2860	AZ1
CV2517	2E30	CV2601	271A	CV2685	880	CV2774	68504	CV2861	AZ2
CV2518	4B32	CV2602	272A	CV2686	889	CV2775	6/8506	CV2862	AZ31
CV2519	4X150-A	CV2603	274A	CV2687	889R	CV2776	68510	CV2864	B21
CV2520	5C22	CV2604	275A	CV2688	891R	CV2777	4B28	CV2865	B30
CV2521	6AH6	CV2605	282A	CV2689	893R	CV2778	2J21-A	CV2866	2C51-W
CV2522	6AS6	CV2606	284	CV2690	904V	CV2779	4B36	CV2867	BU100/6
CV2523	6AS7-G	CV2607	284D	CV2691	913	CV2786	26J	CV2868	C1A
CV2524	6AU6	CV2608	300A	CV2692	981	CV2788	NT13	CV2869	3JP7
CV2525	6AV6	CV2609	330A	CV2693	10KP7	CV2789	9LP7	CV2870	CC3D
CV2526	6AV6	CV2610	3030	CV2694	930	CV2790	C1K	CV2871	CAT6
CV2527	6BA7	CV2611	04TH	CV2695	931	CV2791	K332	CV2872	CAT9
CV2528	45DS	CV2612	307A	CV2696	931-A	CV2792	2K25	CV2874	1005
CV2529	451U	CV2613	310A	CV2697	935	CV2793	2J50	CV2875	CL4
CV2530	45Z5	CV2614	311A	CV2698	5896	CV2794	C10SS/2G	CV2876	2D21-W
CV2531	46	CV2615	313-C	CV2699	6088	CV2795	1L4	CV2877	6AK5-W
CV2532	49	CV2616	314A	CV2700	957	CV2796	6L6-WGB	CV2878	CRT1
CV2533	50	CV2617	323A	CV2701	958-A	CV2797	5894-A	CV2879	CRT1
CV2534	50L6	CV2618	327A	CV2704	7E5	CV2798	QQV03-12	CV2880	CRT4/1
CV2535	52	CV2619	328A	CV2705	1203	CV2799	QQV03-20	CV2882	5AL5-W
CV2537	55	CV2620	329A	CV2706	7C4	CV2800	A40	CV2883	6AO5-W
CV2538	59	CV2621	330-B	CV2707	1231	CV2801	A40/N3	CV2884	6AS6
CV2539	61P	CV2622	331A	CV2709	1R4	CV2803	2915	CV2885	54NCP11
CV2540	63D	CV2623	332A	CV2710	3D6	CV2804	A915A	CV2886	M2H
CV2541	71-A	CV2624	337A	CV2711	1500T	CV2805	A294	CV2887	DAC1
CV2542	72	CV2625	338A	CV2712	1609	CV2806	AC/2HL	CV2888	EL31
CV2543	73	CV2626	346A	CV2713	1610	CV2808	AC2PEN	CV2889	DD620
CV2544	78	CV2627	349A	CV2714	1614	CV2809	AC5PEN	CV2890	DDT
CV2545	79	CV2628	349-B	CV2715	1630	CV2810	E4504/M/16	CV2891	DE5
CV2546	81	CV2629	350A	CV2716	6SC7	CV2811	AC/HL	CV2892	DE5B
CV2547	83V	CV2630	351A	CV2717	1729	CV2812	AC/HL	CV2895	DET1SW
CV2548	84	CV2631	352A	CV2718	1876	CV2813	AC/HLDD	CV2896	52CG
CV2549	85	CV2632	354A	CV2719	1924	CV2814	5D21	CV2897	7MB1-A
CV2550	100T	CV2633	362A	CV2721	6CJ6	CV2816	3JP12	CV2898	DET8
CV2551	100TH	CV2634	367	CV2722	3025	CV2817	6L6-GA	CV2899	DET10
CV2552	100TH	CV2636	375A	CV2723	869-B	CV2818	AC/PT8	CV2900	DET10
CV2553	101F	CV2637	388A	CV2725	09	CV2819	AC/S	CV2901	EF86
CV2554	111A	CV2638	393A	CV2726	6CK6	CV2820	AC/SP1	CV2903	0A2
CV2556	117L7	CV2639	394A	CV2727	26D	CV2821	ECC33	CV2905	3J/170E
CV2557	117N7	CV2640	405BU	CV2728	29D	CV2822	AC/SG	CV2907	DF1
CV2558	117Z6	CV2642	417A	CV2729	E80F	CV2823	AC/SP3	CV2908	3J/260E
CV2560	2J51	CV2643	2C40	CV2730	5800	CV2824	AC/SPEN	CV2909	DH73
CV2561	122A	CV2644	460BU	CV2731	63DS	CV2825	ACT6	CV2910	DK1
CV2562	164V	CV2645	R1	CV2733	3951	CV2826	1B63A	CV2911	DL2
CV2563	204A	CV2647	532	CV2734	4033A	CV2827	ACT10	CV2912	DL63
CV2565	2050	CV2648	632-A	CV2735	4015A	CV2829	293A	CV2913	DLS1

CV2914	1B40	CV2994	HL23	CV3577	25A7-GT	CV3658	PV1-35	CV3747	U15
CV2916	1N25	CV2995	HL23DD	CV3578	PM22D	CV3659	M501A	CV3748	2X2
CV2918	1N28	CV2996	HLD41D	CV3579	PT5E	CV3660	M510A	CV3749	576
CV2919	1N43	CV2997	HL63	CV3580	304TL	CV3661	M501A	CV3750	U22
CV2920	E1148	CV2998	HL133	CV3581	V1501	CV3662	M501A	CV3751	U21
CV2923	1N69	CV2999	HL133D	CV3582	VP4B	CV3666	12SW7	CV3752	U30
CV2924	1N70	CV3500	HL210	CV3583	5HP1	CV3667	RG1-250	CV3753	U31
CV2925	EBF2	CV3501	HL610	CV3584	21/2	CV3668	12SY7	CV3754	U50
CV2926	EBL31	CV3502	HL1320	CV3586	471A	CV3669	2K48	CV3755	5755
CV2927	EC50	CV3503	HLDD1320	CV3587	705-A	CV3670	RG4-1000	CV3756	U600
CV2928	1N81	CV3506	HY615	CV3588	706-A	CV3671	RK25	CV3758	UR3C
CV2929	ECH3	CV3508	6208	CV3589	707-A	CV3672	RK28	CV3759	R2
CV2930	ECH33	CV3509	1N31	CV3590	708-A	CV3673	RK28A	CV3760	UU5
CV2931	2B22	CV3510	4B31	CV3592	UX6653	CV3674	RK31	CV3761	UU7
CV2932	2C42	CV3511	371-B	CV3593	713-A	CV3675	9004	CV3762	V120
CV2933	2C46	CV3512	5696	CV3594	717-A	CV3676	2J42	CV3763	V123B
CV2934	3BP1-A	CV3514	K8140824	CV3595	721-A	CV3677	RK47	CV3765	V226
CV2935	5JP1	CV3515	KB2	CV3596	726-B	CV3678	2BP1	CV3766	V312
CV2936	4B22	CV3516	KK2	CV3597	726V	CV3679	RK49	CV3767	V339
CV2937	6A05	CV3517	5933	CV3599	829B	CV3680	RK60	CV3768	V503
CV2938	EL33	CV3518	5948	CV3600	202P1	CV3681	RK62	CV3769	V877
CV2939	6F4	CV3519	KT30	CV3601	7193	CV3683	RKR47	CV3770	V955
CV2940	EL36	CV3520	KT31	CV3602	5J26	CV3685	QK283	CV3772	V970
CV2941	EL50	CV3521	5949	CV3604	GL464	CV3686	QK284	CV3773	V1010
CV2942	EM1	CV3522	6079	CV3605	GL464	CV3687	4J49	CV3774	V1020
CV2943	ESU76	CV3523	6146	CV3606	5J29	CV3688	2C33	CV3775	V1021
CV2944	ESU1500	CV3524	T1/236G	CV3607	NP90	CV3689	3B29	CV3776	V1023
CV2945	ESU75	CV3525	1N21-C	CV3608	5J30	CV3690	RL7-150	CV3777	V1029
CV2946	ESU150	CV3526	EL85	CV3609	5517	CV3691	S23	CV3778	V1105
CV2947	ESU300	CV3527	KTW73	CV3610	5663	CV3692	S23	CV3779	4J26
CV2948	ESU450	CV3528	M513	CV3611	5586	CV3693	10KP7	CV3780	4J27
CV2949	F123A	CV3529	KT41	CV3612	5686	CV3694	S130A	CV3781	4J28
CV2950	129-B	CV3530	KTZ73	CV3613	6AR6	CV3695	S215	CV3782	4J29
CV2952	FA13	CV3531	L2	CV3614	6BL6	CV3696	S215A	CV3783	4J30
CV2953	FA14	CV3532	L21	CV3615	6BM6	CV3697	12SX7-GT	CV3784	5B/102A
CV2954	FC2A	CV3533	L22DD	CV3616	6BN6	CV3698	S610	CV3785	VMP4G
CV2955	FC4	CV3534	L30	CV3618	6L6-WGA	CV3699	5693	CV3786	VMP4G
CV2956	FC13C	CV3535	C14HM	CV3619	6SJ7-WGT	CV3702	SG215	CV3787	VP2
CV2957	FG17	CV3536	LS408A	CV3620	P220	CV3703	SP4B	CV3788	VP4
CV2958	FG278	CV3537	L500	CV3621	P410	CV3704	SP13C	CV3789	5842
CV2959	3B21	CV3538	L610	CV3622	P610	CV3705	5691	CV3790	VP13C
CV2960	FP54	CV3539	6024	CV3623	PA40	CV3706	5796	CV3791	VP21
CV2961	1N54A	CV3540	HT415	CV3624	PE7B	CV3707	6AL7-GT	CV3792	VP24
CV2962	1N38A	CV3541	LS6A	CV3625	PE8	CV3709	STV150/200	CV3794	BP210
CV2963	4D21	CV3542	LS532	CV3626	PenB4	CV3710	AR63	CV3795	VP215
CV2964	5D22	CV3543	4D32	CV3627	6SN7-WGT	CV3711	N78	CV3796	VP1322
CV2965	RL7076-2A	CV3545	5939	CV3628	1B35A	CV3712	STV280/80A	CV3797	V944A
CV2966	EY86	CV3546	MHD4	CV3629	6130	CV3714	822SPECIAL	CV3798	0A3
CV2967	8020	CV3547	MH14	CV3630	Pen44	CV3715	SW5	CV3799	0B3
CV2968	7F8	CV3548	1B24A	CV3631	Pen45DD	CV3719	SW7	CV3800	VS2
CV2969	GT1	CV3549	1B38	CV3632	6131	CV3721	T4D	CV3802	VS24
CV2970	5656	CV3550	1B41	CV3633	Pen231	CV3722	T20	CV3803	VS24
CV2971	5675	CV3551	1N38	CV3634	Pen428	CV3723	T41	CV3804	W21
CV2972	5876	CV3552	MPT4	CV3635	Pen1340	CV3724	T200	CV3805	W30
CV2973	GU7	CV3553	MS4B	CV3636	Pen1346	CV3725	GL446	CV3806	W31
CV2974	1N72	CV3554	MPT42	CV3637	7BP7-A	CV3726	TDD2A	CV3808	6T4
CV2975	6BQ5	CV3555	1Q22	CV3638	PenA4	CV3727	TDD4	CV3809	807-W
CV2976	NE	CV3557	MR300	CV3639	6F4	CV3729	1N47	CV3810	WD30
CV2977	H2	CV3558	MR300/E	CV3640	PJ8	CV3730	TMC15B	CV3812	1P31
CV2978	H12	CV3559	2C53	CV3641	PM1HL	CV3731	TMC16B	CV3813	8A
CV2979	H30	CV3560	2151	CV3642	PM1LF	CV3732	TMC20B	CV3815	3B22
CV2980	DM70	CV3561	MS/PEN	CV3643	PM2A	CV3733	3KP1	CV3816	X21
CV2981	H410	CV3562	MSP41	CV3644	726-C	CV3734	6X5-WGT	CV3817	X21
CV2982	H610	CV3563	MT11SW	CV3645	PM2DX	CV3735	TP26	CV3818	X22
CV2983	DL94	CV3564	MT12	CV3646	845-W	CV3736	K1105P2	CV3819	X24
CV2984	6080	CV3565	ME41	CV3647	PM22A	CV3737	QK353	CV3820	X24
CV2985	HD24	CV3567	MU1	CV3648	PM24E	CV3738	VXR130	CV3821	X31
CV2986	HD203A	CV3569	4J52	CV3649	PM22	CV3739	TX3-200	CV3822	X31
CV2987	HF100	CV3570	MU4250	CV3650	12AY7	CV3740	TX5-400	CV3823	X41
CV2988	HF200	CV3571	MVSPEN	CV3651	12SH7-GT	CV3741	TZ2-300	CV3825	X63
CV2989	HK354E	CV3572	MVSPENB	CV3652	PT5	CV3742	TZ20	CV3826	X65
CV2990	6136	CV3573	MZ05-20	CV3653	PT6	CV3743	U5	CV3827	12C8-GT
CV2991	HL2	CV3574	MZ1/76	CV3654	PT11	CV3744	U6	CV3828	X66
CV2992	6106	CV3575	3B26	CV3655	12SP7	CV3745	1B58	CV3829	293A
CV2993	KU25	CV3576	MX40	CV3657	PV05-15	CV3746	U14	CV3830	XH1.5

CV3831	XL2	CV3907	720-C	CV3990	2E26	CV4076	M8179	CV5068	ES75H
CV3832	XP2	CV3908	6BH6	CV3991	4X150D	CV4077	SX643	CV5069	6621
CV3833	XSG2.0V	CV3909	6BJ6	CV3992	HD6002	CV4078	SX644	CV5070	5FP11
CV3834	XW2	CV3912	1U5	CV3993	1N67A	CV4080	M8225	CV5071	3J/195E
CV3835	Z21	CV3915	8025-A	CV3994	1V2	CV4501	5A/172G	CV5072	EZ81
CV3836	Z21	CV3916	5647	CV3995	6CB6	CV4502	5A/173G	CV5073	6AM4
CV3837	Z21	CV3917	5703	CV3996	U709	CV4503	5A/174G	CV5074	6AF4-A
CV3838	Z62	CV3918	5JP2-A	CV3997	JP9-15	CV4504	2S/141G	CV5075	622-C
CV3839	Z66	CV3919	U82	CV3998	E180F	CV4506	5A/175G	CV5076	1N198
CV3840	TTR31MR	CV3920	A2196	CV3999	MW22/22	CV5001	601-C	CV5077	PL81
CV3841	6F1	CV3921	A2244	CV4001	F/6063	CV5002	CS3A	CV5078	XC17
CV3842	5J29	CV3923	1N21B	CV4002	F/6064	CV5003	BU28/4	CV5079	5643
CV3843	5J30	CV3924	6AC1-W	CV4003	12AU7	CV5004	3JP2	CV5080	EF37A
CV3844	5J31	CV3926	7C23	CV4004	12AX7-WA	CV5005	6110	CV5081	61SPT
CV3845	RS366	CV3927	12K8	CV4005	6X4	CV5006	6021	CV5082	M8234
CV3846	RS261	CV3928	5636	CV4006	6059	CV5007	6112	CV5083	QS75-20
CV3847	RS250	CV3929	5840	CV4007	6AL5-W	CV5008	6080-WA	CV5084	30B1P3
CV3848	RS260	CV3930	5718	CV4008	6719	CV5009	6203	CV5085	27M2
CV3849	RS217	CV3931	5906	CV4009	6BA6-W	CV5010	5644	CV5086	6BS7
CV3850	RS207	CV3932	5977	CV4010	5654	CV5011	TH1657A	CV5087	4EP7
CV3851	RS253	CV3933	5783	CV4011	6AS6-W	CV5012	1N23C	CV5088	XC15
CV3852	RS285	CV3934	1N34A	CV4012	5750	CV5013	1N23CR	CV5089	L3040
CV3853	RS15	CV3935	14R7	CV4013	5670	CV5014	1N78	CV5090	L4031
CV3854	RS47	CV3936	14S7	CV4014	6064	CV5015	1N53	CV5092	EF800
CV3855	RS329	CV3937	14R7	CV4015	6065	CV5016	1N32	CV5093	EL803
CV3856	RS330	CV3938	12CS7-GT	CV4016	5814	CV5017	450TL	CV5094	EL86
CV3857	RS283A	CV3939	6BM6-A	CV4017	5751	CV5018	4J52-A	CV5095	GK2261
CV3858	RS18	CV3940	2C39	CV4018	2D21-W	CV5019	QK387	CV5096	GK2401
CV3859	RV271A	CV3941	3RP1	CV4019	6AQ5-W	CV5020	QK388	CV5098	ZS21
CV3860	RS282	CV3942	5692	CV4020	0A2-WA	CV5021	6V3-A	CV5099	ZS22
CV3862	R555	CV3943	5852	CV4021	3B24-WA	CV5022	CS31A	CV5100	GJ3M
CV3863	RS289	CV3944	2J30	CV4022	6135	CV5023	AFX212	CV5101	GJ5M
CV3864	RS389	CV3945	2K45	CV4023	6AU6-WA	CV5024	MX-408/U	CV5102	GJ6M
CV3865	RS288	CV3946	3WP1	CV4024	12AT7-WA	CV5025	XB2	CV5103	ZS20B
CV3866	RS203	CV3947	4J54	CV4025	6AL5	CV5026	1N320	CV5104	GEX541
CV3867	RSQ15/40	CV3948	4J55	CV4026	6R4-WGA	CV5027	3V/390A	CV5105	OC45
CV3868	RSQ15/5	CV3949	4J56	CV4027	5Y3-WGTA	CV5028	3V/390B	CV5106	E1T
CV3869	RSQ15/5	CV3950	4J57	CV4028	0B2-WA	CV5029	6J4-WA	CV5107	KD63
CV3870	RGQ10/4D	CV3951	4J58	CV4029	5902	CV5030	26Z5-W	CV5108	EFFP60
CV3871	RS254	CV3952	4J59	CV4030	G75/3G	CV5031	M548	CV5109	GE10
CV3872	RS255	CV3953	4J78	CV4031	6J6-WA	CV5032	1X2-A	CV5112	3A/167M
CV3873	RS566	CV3954	5CP7	CV4032	6814-A	CV5033	3-14	CV5113	5787-WA
CV3874	ATR388	CV3955	5CP12	CV4033	F/6060	CV5034	3JP11	CV5114	6260-B
CV3875	KU54	CV3956	719-A	CV4034	F/6067	CV5035	5ADP1	CV5115	X79
CV3876	SAL39	CV3957	1258	CV4035	F/6057	CV5036	6AF4	CV5116	3B/241M
CV3877	1B56	CV3958	5657	CV4036	F/6443	CV5037	6BA6-W	CV5120	20CV
CV3878	2-150D	CV3959	5FP7-A	CV4037	F/5750	CV5038	6BC4	CV5121	6870
CV3879	4-400A	CV3960	5783	CV4039	6062	CV5039	6BL7	CV5122	5823
CV3880	4-100A	CV3961	6111	CV4040	56F17	CV5040	6BQ6	CV5126	6AJ4
CV3881	EB41	CV3963	559	CV4041	S6F17F	CV5041	6CL6	CV5140	6923
CV3882	EBC41	CV3964	354	CV4042	19G6	CV5042	12BH7	CV5144	PCL83
CV3883	EAF42	CV3965	2C46	CV4043	6061	CV5043	811A	CV5156	6DA6
CV3884	ECC40	CV3966	QK428	CV4044	6443	CV5044	5836	CV5172	1AC6
CV3885	EF40	CV3967	1N63	CV4045	F/6061	CV5045	5837	CV5181	5R4-GY
CV3886	EF41	CV3968	3DP1-A	CV4047	G400/2G	CV5046	5844	CV5186	5681
CV3887	EF42	CV3969	577	CV4048	QS1212	CV5047	G7B	CV5188	5651
CV3888	ECH42	CV3970	5721	CV4049	F/5726	CV5048	V239C/1K	CV5189	5726
CV3889	EL41	CV3971	89L	CV4050	F/5654	CV5049	V241C/1K	CV5190	6005
CV3890	EL42	CV3972	6095	CV4051	F/6158	CV5050	212-G11A	CV5192	7AN7
CV3891	EZ40	CV3973	6AC7-Y	CV4052	QS1202	CV5051	HD2016A	CV5212	12AT7-WB
CV3892	AZ41	CV3974	6AS7-Y	CV4053	QS1203	CV5052	6AU7	CV5214	5920
CV3893	4X150G	CV3975	6236	CV4054	F/5654	CV5053	6098-CT	CV5215	ECF80
CV3894	6BF7	CV3976	M509	CV4055	6132	CV5054	6390	CV5216	5654
CV3895	5702	CV3977	1N35	CV4056	F/6132	CV5055	EM81	CV5220	6550
CV3896	5784	CV3978	6AG7-Y	CV4058	6C4-WA	CV5056	A2094	CV5231	7308
CV3897	5787	CV3979	0D3-W	CV4059	M8097	CV5057	5702-WA	CV5242	6CT4
CV3898	5829	CV3980	12SR7-GT	CV4060	S11E12	CV5058	578-WA	CV5268	7384
CV3899	5932	CV3981	G5S3	CV4063	6516	CV5059	5829-WA	CV5281	6CW7
CV3900	5963	CV3982	M506	CV4066	M8190	CV5061	7YP2	CV5311	6J4-WA
CV3901	6161	CV3983	12SW7GT	CV4067	M8167	CV5062	5841	CV5331	ECC189
CV3902	6002	CV3985	6SL7-WGT	CV4068	6158	CV5063	1N70	CV5354	7308
CV3903	QK338	CV3986	6021	CV4069	F/6158	CV5064	1N38A	CV5358	ECC88
CV3904	2K41	CV3987	5644	CV4070	M8099	CV5065	6U8	CV5365	6BQ7-A
CV3905	5847	CV3988	6442	CV4073	SX641	CV5066	BL25	CV5397	8108
CV3906	6117	CV3989	6AN4	CV4074	SX642	CV5067	6SH7L	CV5404	6463

CV5427	1X2-B	CV8248	5750	CV9315	D21-10GH	CV10369	QY5-3000A
CV5434	EM84	CV8249	6136	CV9316	ZM1020	CV10389	7768
CV5724	6218	CV8280	6AX5-GT	CV9322	QQZ02-6	CV10403	PCC88
CV5817	6BW7	CV8287	5686	CV9331	EL821	CV10404	C1166
CV5831	EF183	CV8297	ECL86	CV9336	ML7698	CV10407	EM87
CV5843	5965-A	CV8310	5725	CV9341	85A2	CV10442	5654
CV5893	5654	CV8311	5726	CV9343	BR1161	CV10460	PY88
CV5894	5670	CV8312	5751	CV9350	6EP1	CV10492	6BA6
CV5895	5750	CV8324	5744-WB	CV9474	5763	CV10496	6BE6
CV5896	6136	CV8403	6AU6-WB	CV9509	DP7-11	CV10522	C3G
CV5905	6R3	CV8430	6BK4-B	CV9531	5840	CV10553	6BF7
CV5948	18D3	CV8431	7062	CV9532	7457	CV10566	6112
CV5956	5861	CV8433	PCF80	CV9536	6252	CV10567	7266
CV5986	6112	CV8450	0A5	CV9632	5A/170K	CV10579	6CW4
CV5989	6085	CV8458	6DL5	CV9685	5642	CV10604	QV08-100B
CV6008	24B1	CV8469	7554	CV9686	7586	CV10661	GXU2
CV7047	0A5	CV8470	7587	CV9726	5907	CV10662	ECC81
CV8017	6CQ6	CV8479	TY4-400	CV9727	7761	CV10664	150C4
CV8020	6AM6	CV8563	CX1140	CV9728	6216	CV10665	EN91
CV8038	6CN6	CV8577	6097F	CV9732	GN4D	CV10666	ECC82
CV8039	5840	CV8578	9531F	CV9738	7895	CV10672	1G3
CV8041	6489	CV8579	6/22QM	CV9764	DET3	CV10706	A2223
CV8045	6CH6	CV8580	G701/32	CV9785	7609	CV10707	PCL85
CV8047	6BR7	CV8581	S5AB-120	CV9834	6C10	CV10708	DY86
CV8048	6BW6	CV8614	6080	CV9835	6D10	CV10709	PL82
CV8065	6922	CV8630	GS10H	CV9836	6J11	CV10710	PL83
CV8068	6267	CV8632	CR 144/A	CV9837	6CM8	CV10724	PY800
CV8069	EL84	CV8634	ECL83	CV9838	6ES8	CV10725	PL500
CV8070	6059	CV8667	E186F	CV9839	6146-A	CV10726	PCL82
CV8071	6CQ6	CV8672	MX50	CV9840	KU53	CV10731	E80CF
CV8073	6072	CV8687	7266	CV9841	6542	CV10737	QQV03-25
CV8076	6132	CV8688	7576	CV9842	6829	CV10744	A2599
CV8080	6158	CV8689	7698	CV9849	6AU5	CV10745	EY88
CV8086	0A5	CV8694	EF98	CV9850	YL1080	CV10746	ECL80
CV8154	ECC81	CV8697	E91H	CV9851	6299	CV10760	A59-11W
CV8155	ECC82	CV8698	8321	CV9853	811	CV10761	DY87
CV8156	7025	CV8699	8171	CV9854	7543	CV10775	E280F
CV8158	2D21	CV8714	5X1/52ME	CV9855	6EB8	CV10782	PCF82
CV8159	EF95	CV8727	12E14	CV9856	6BN8	CV10783	PL300
CV8160	6J6-A	CV8730	TY6-5000B	CV9857	6AZ8	CV10804	D30
CV8161	0A2	CV8731	EY84	CV9858	6U8-A	CV10813	A2975
CV8162	0B2	CV8732	6064	CV9859	12AT7	CV10819	C1134P
CV8189	5R4-GY	CV8764	ML7815	CV9874	AL31-10	CV10868	6EP7
CV8190	6AH6	CV8769	31F12T7	CV9899	7576	CV10878	8020
CV8191	6CL6	CV8774	GXU50	CV9900	6L6442	CV10903	8068
CV8192	6J4	CV8797	P831	CV9915	EF72	CV10936	5876A
CV8200	6AL5	CV8820	7551	CV9916	5703	CV10955	PL504
CV8201	6BE6	CV8862	Q/U452	CV9921	6AV6	CV11025	6F17
CV8202	6BA6	CV8884	DH7-11	CV9933	E83F	CV11106	5CX1500-A
CV8203	6X4	CV8897	6EP75	CV9934	9U8	CV11107	4CX35000-C
CV8204	5R4-GYA	CV8926	6CB6-A	CV9994	ZA9	CV11156	M21-11W
CV8205	6D4	CV8959	D67-32/01	CV10098	EF86	CV11230	R5559
CV8206	5763	CV8973	4CX250-B	CV10100	6AK5		
CV8208	6AH6	CV8976	446A	CV10175	12AV7		
CV8209	6AS6	CV8978	A2426	CV10206	AW36-20		
CV8210	6AU6-A	CV9006	GXU4	CV10294	QV08/100		
CV8211	6AN5	CV9010	6AR6	CV10318	5744		
CV8214	8020	CV9016	Q/U37	CV10319	12AX7		
CV8215	5656	CV9024	DAF96	CV10320	E88CC		
CV8216	6080	CV9025	DF96	CV10321	6BQ5		
CV8218	6146	CV9026	DK96	CV10322	6080		
CV8221	ECC82	CV9088	5702	CV10323	12AU7		
CV8222	7025	CV9089	7203	CV10324	6AL5		
CV8223	6X4	CV9090	5894	CV10325	13D3		
CV8224	5726	CV9091	5784	CV10326	EL81		
CV8225	EF95	CV9092	5814	CV10327	EF91		
CV8226	6AS6	CV9093	6021	CV10328	EB91		
CV8227	5750	CV9094	6528	CV10329	QQV02-6		
CV8229	6AQ5	CV9105	XB3	CV10330	5R4		
CV8231	6J6-A	CV9122	7580	CV10331	5763		
CV8232	6080	CV9155	E88C	CV10332	QQV04-16		
CV8237	6X4	CV9167	ECL82	CV10339	DN7-11		
CV8239	5783	CV9196	ELL80	CV10341	PL36		
CV8246	5654	CV9207	GN4A	CV10361	ACM3		
CV8247	5670	CV9260	DC70	CV10368	BR1122		

**ARMY VT NUMBERS AND COMMERCIAL NUMBERS
LISTING BY VT NUMBERS**

VT Number	See Commercial Tube Type No.	VT Number	See Commercial Tube Type No.
VT-1	WE-203A (obsolete).	VT-47	47.
VT-2	WE-205B.	VT-48	41.
VT-3	Obsolete.	VT-49	39/44.
VT-4A	Obsolete.	VT-50	50.
VT-4B	Commercial 211.	VT-51	841.
VT-4C	JAN 211.	VT-52	45 Special.
VT-5	WE-215A.	VT-53	Cancelled (superseded by Vt-42-A).
VT-6	212A (obsolete).	VT-54	34.
VT-7	WX-12 (obsolete).	VT-55	865.
VT-8	UV-204 (obsolete).	VT-56	56.
VT-10	Obsolete.	VT-57	57.
VT-11	Obsolete.	VT-58	58.
VT-12	Obsolete.	VT-60	850.
VT-13	Obsolete.	VT-62	801, 801A.
VT-14	Obsolete.	VT-63	46.
VT-16	Obsolete.	VT-64	800.
VT-17	860.	VT-65	6C5.
VT-18	Obsolete.	VT-65A	6C5G.
VT-19	861.	VT-66	6F6.
VT-20	Obsolete.	VT-66A	6F6G.
VT-21	Obsolete.	VT-67	30 Special.
VT-22	204A.	VT-68	6B7.
VT-23	Obsolete.	VT-69	6D6.
VT-24	864.	VT-70	6F7.
VT-25	10.	VT-72	842.
VT-25A	10 Special.	VT-73	843.
VT-26	22.	VT-74	5Z4.
VT-27	30.	VT-75	75.
VT-28	24, 24A.	VT-76	76.
VT-29	27.	VT-77	77.
VT-30	01-A.	VT-78	78.
VT-31	31.	VT-80	80.
VT-32	Obsolete.	VT-83	83.
VT-33	33.	VT-84	84/6Z4.
VT-34	207.	VT-86	6K7.
VT-35	35/51.	VT-86A	6K7G.
VT-36	36.	VT-86B	6K7GT.
VT-37	37.	VT-87	6L7.
VT-38	38.	VT-87A	6L7G.
VT-39	869.	VT-88	6R7.
VT-39A	869A.	VT-88A	6R7G.
VT-40	40.	VT-88B	6R7GT.
VT-41	851.	VT-89	89.
VT-42	872.	VT-90	6H6.
VT-42A	872 (Special fil.).	VT-90A	6H6GT.
VT-43	845.	VT-91	6J7.
VT-44	32.	VT-91A	6J7GT.
VT-45	45.	VT-92	6Q7.
VT-46	866.	VT-92A*	6Q7G.
VT-46A	866A.	VT-93	6B8.

*Indicates VT number has been cancelled.

JULY 1952

SECOND EDITION

SECTION
16-820
ELECTRON
TUBES

ARMY VT NUMBERS AND COMMERCIAL NUMBERS

LISTING BY VT NUMBERS

VT Number	See Commercial Tube Type No.	VT Number	See Commercial Tube Type No.
VT-93A	6B8G.	VT-130	250TL.
VT-94	6J5.	VT-131	12SK7.
VT-94A	6J5G.	VT-132	12K8 Special.
VT-94B	6J5 Special selected.	VT-133	12SR7.
VT-94C	6J5G Special selected.	VT-134	12A6.
VT-94D	6J5GT.	VT-135	12J5GT.
VT-95	2A3.	VT-135A	12J5.
VT-96	6N7.	VT-136	1625.
VT-96B	6N7 Special selected.	VT-137	1626.
VT-97	5W4.	VT-138	1629.
VT-98	6U5/6G5.	VT-139	VR150-30.
VT-99	6F8G.	VT-140*	1628.
VT-100	807	VT-141	531.
VT-100A	807 Modified.	VT-142	WE-39DY1.
VT-101	837	VT-143	805.
VT-102	Cancelled.	VT-144	813.
VT-103	6SQ7.	VT-145	523.
VT-104	12SQ7.	VT-146	1N5GT.
VT-105	6SC7.	VT-147	1A7GT.
VT-106	803.	VT-148	108GT.
VT-107	6V6.	VT-149	3A8GT.
VT-107A	6V6GT.	VT-150	6SA7.
VT-107B	6V6G.	VT-150A	6SA7GT.
VT-108	450TH.	VT-151	6A8G.
VT-109	2051.	VT-151B	6A8GT.
VT-111	5BP4/1802P4.	VT-152	6K6GT.
VT-112	6AC7/1852.	VT-152A	6K6G.
VT-114	5T4.	VT-153	12C8 Special.
VT-115	6L6.	VT-154	814.
VT-115A	6L6G.	VT-155	Special tube.
VT-116	6SJ7.	VT-156	Special tube.
VT-116A	6SJ7GT.	VT-157	Special tube.
VT-116B	6SJ7Y.	VT-158	Special tube.
VT-117	6SK7.	VT-159	Special tube.
VT-117A	6SK7GT.	VT-160	Special tube.
VT-118	832.	VT-161	12SA7.
VT-119	2X2/879.	VT-162	12SJ7.
VT-120	954.	VT-163	6C8G.
VT-121	955.	VT-164	1619.
VT-122	530.	VT-165	1624.
VT-123	RCA A-5586 (superseded by VT-128).	VT-166	371A.
VT-124	1A5GT.	VT-167	6K8.
VT-125	1C5GT.	VT-167A	6K8G.
VT-126	6X5.	VT-168A	6Y6G.
VT-126A	6X5G.	VT-169	12C8.
VT-126B	6X5GT.	VT-170	1E5-GP.
VT-127	Special tube.	VT-171	1R5.
VT-127A	Special tube.	VT-171A	Loctal Equiv. of 1R5.
VT-128	1630 (A-5588).	VT-172	1S5.
VT-129	304TL.	VT-173	1T4.

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ARMY VT NUMBERS AND COMMERCIAL NUMBERS

LISTING BY VT NUMBERS

VT Number	See Commercial Tube Type No.	VT Number	See Commercial Tube Type No.
VT-174	3S4.	VT-224	RK-34.
VT-175	1613.	VT-225	307A.
VT-176	6AB7/1853.	VT-226	2EP1/1806P1.
VT-177	1LH4.	VT-227	7184.
VT-178	1LC6.	VT-228	8012.
VT-179	1LN5.	VT-229	6SL7GT.
VT-180*	3LF4.	VT-230	350A.
VT-181	7Z4.	VT-231	6SN7GT.
VT-182	3B7/1291.	VT-232	E-1148.
VT-183	1R4/1294.	VT-233	6SR7.
VT-184	VR90-30.	VT-234	HY-114B.
VT-185	3D6/1299.	VT-235	HY-615.
VT-186	Special tube.	VT-236	836.
VT-187	575A.	VT-237	957.
VT-188	7E6.	VT-238	956.
VT-189	7F7.	VT-239	1LE3.
VT-190	7H7.	VT-240	710A.
VT-191	316A.	VT-241	7E5/1201.
VT-192	7A4.	VT-243	7C4/1203A.
VT-193	7C7.	VT-244	5U4G.
VT-194	7J7.	VT-245	2050.
VT-195	1005.	VT-246	918.
VT-196	6W5G.	VT-247	6AG7.
VT-197A	5Y3GT/G.	VT-248	1808P1.
VT-198A	6G6G.	VT-249	1006.
VT-199	6SS7.	VT-250	EF50.
VT-200	VR-105-30.	VT-251	441.
VT-201	25L6.	VT-252	923.
VT-201C	25L6GT.	VT-254	304TH.
VT-202	9002.	VT-255	705A.
VT-203	9003.	VT-256	ZP486.
VT-204	HK24G.	VT-257	K-7.
VT-205	6ST7.	VT-259	829.
VT-206A	5V4G.	VT-260	VR75-30.
VT-207	12AH7GT.	VT-264	3Q4.
VT-208	7B8.	VT-266	1616.
VT-209	12SG7.	VT-267	578.
VT-210	1S4.	VT-268	12SC7.
VT-211	6SG7.	VT-269	717A.
VT-212	958.	VT-277	417.
VT-213A	6L5G.	VT-279	GY-2.
VT-214	12H6.	VT-280*	C7063.
VT-215	6E5.	VT-281*	HY-145ZT.
VT-216	816.	VT-282	ZG489.
VT-217	811.	VT-283*	QF-206.
VT-218	100TH.	VT-284*	QF-197.
VT-219	Cancelled.	VT-285*	QF-200C.
VT-220	250TH.	VT-286	832A.
VT-221	3Q5GT.	VT-287	815.
VT-222	884.	VT-288	12SH7.
VT-223	1H5GT.	VT-289	12SL7GT.

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