



CODESTEMPELS VOOR ONTVANG- EN SQ-BUIZEN

RV-5-7-0/1

Production Codes for Electron Tubes

This document in digital format covers both RV-5-7-0/1, "Codestempels voor ontvang- en SQ-buizen", as well as RV-5-7-0/200, "codestempels voor Professionele buizen".

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Production codes for Electron Tubes

Purpose

Production codes on Electron Tubes served the following purposes:

- To recognize the tube type, even before any "Commercial stamp" was added.
- To recognize the place of production or production plant
- To recognize the production date in terms of year, month and week

Period covered

This document covers the production period from about 1948 onwards.

Coding systems

The number of places (digits) in a code should be kept to a minimum.

Therefore some odd characters were accepted, to cover the amount of combinations required.

The difficulty in communications and in written reports resulting from this, led to a new coding system, mainly based on normal letters and figures, with the disadvantage of a longer code. Therefore, two code systems can be distinguished, the one consisting of 4 or 5 symbols and the new one, having 6, 7 or 8 symbols.

The change from the old to the new one is implemented around the end of 1956.

How to use this document

This general section of the document explains how to read the production codes.

It offers an overview of the characters used.

Also a list of manufacturing (production plant) codes is part of this section.

Listings

The original document made a distinction between "Receiving- and Special Quality" tubes (RV-5-7-0/1) and "Professional" tubes (RV-5-7-0/200). Professional being everything, except receiving or SQ tubes.

For each group, two main lists are available, one reading code-to-tube type and the other reading tube type-to-code. Of course, these lists (numbers 1 through 4) have been amended several times.

A few extra lists are provided, called "Added" types. These lists (numbers 5 and 6) provide tube types in "Pro Electron" code and their equivalent USA types.

Because the production code is equal for both types, these are to my mind REAL equivalents.

List 7 offers a limited number of 1 symbol codes from the late 1940's.

List 8 is called "Swap" and shows tube types (with their codes), moved from document

RV-5-7-0/200 to RV-5-7-0/1, vice versa, because the original placement appeared to be wrong.

March 2009

Adri de Keijzer



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A	B	C	D	E	F	G	H	I	J	K	L	M
A groot	B groot	C groot	D groot	E groot	F groot	G groot	H groot	I groot	J groot	K groot	L groot	M groot

N	P	R	S	T	U	V	W	X	Y	Z	F	L
N groot	P groot	R groot	S groot	T groot	U groot	V groot	W groot	X groot	Y groot	Z groot	F epiegel	L epiegel

d	f	k	m	n	r	t	j	0	1	2	3	4
d klein	f klein	k klein	m klein	n klein	r klein	t klein	t epiegel	Nul	Een	Twee	Drie	Vier

5	6	7	8	9	S	E	4	2	3	7	+	±	:
Vijf	Zes	Zeven	Acht	Negen	2 epiegel	3 epiegel	4 epiegel	5 epiegel	6 epiegel	7 epiegel	Plus	Plus-minus	Dubbele punt

=	≡	≠	∥	>	<	□	▣	▢	▣	⊥	Δ	▽	⊥
Is gelijk	Identiek	Niet gelijk	Paralleel aan	Groter dan	Kleiner dan	Vierkant	Doorenden	Vierkant met viertant	Bek	Tafel	Gelijkzijdig	Rechthoekig	Maak op de driehoek de driehoek

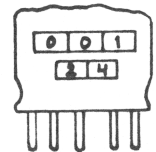
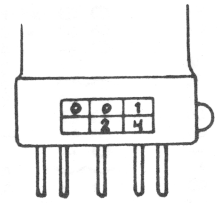
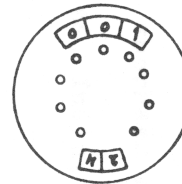
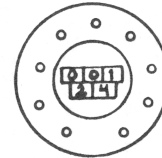
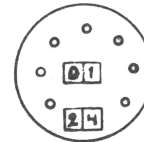
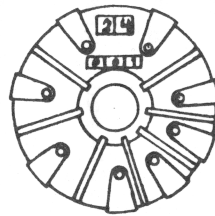
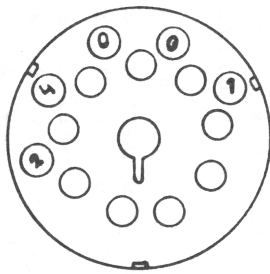
×	↗	↖	⊕	⊗	⊙	⋈	&	%	*	⊙			
Heftoon	Halve wip	Heak	Doorenden cirkel	Doorenden pijl in cirkel	Mul-streep	Kandelaar	Firesteeken	Procent	Ster	Ongelumpunt			

28-5-54
11.2.69



Production codes for Electron Tubes

System as used from 1948 until the end of 1956, consisting of 4 or 5 symbols



Some examples

'0' (one or two symbols) is the code for the tube type, details to be derived from listings 1 and 3.

'1' is a change identification (see table below).

'2' indicates the manufacturer, details to be derived from listing 0.

'4' indicates the month in which the tube was produced. 36 symbols have been reserved, constituting a 3 year sequence (see table below). The exact year of production comes from the combination of symbols '1' and '4'. For example, if both are 'B', the production was Feb 1951.

1948	1951	1954
1949	1952	1955
1950	1953	1956
0	A	N
1	B	P
2	C	R
3	D	S
4	E	T
5	F	U
6	H	W
7	K	X
8	L	Y
9	M	Z
=	≡	+
□	>	k
⊗	d	m
t	r	∟
└	~	∇
△	π	∧
⋅		

Change ident. codes '1'

	1948	1949	1950
	1951	1952	1953
	1954	1955	1956
Jan	A	R	t
Feb	B	S	0
Mar	C	T	1
Apr	D	U	2
May	E	W	3
June	F	X	4
July	H	Y	5
Aug	K	Z	6
Sep	L	d	7
Oct	M	k	8
Nov	N	m	9
Dec	P	r	+

Code '4', month of production.

4.12.56
11.2.58
11.2.69
11.8.70

N.V. PHILIPS' GLOEIAMPENFABRIEKEN, EINDHOVEN, NEDERLAND.

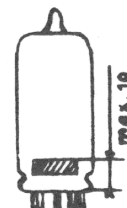
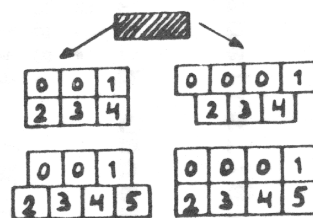
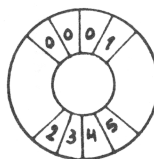
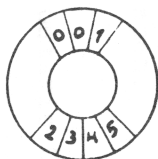
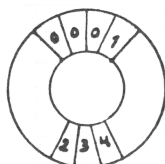
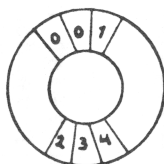
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Production codes for Electron Tubes

System as used from the end of 1956, consisting of 6, 7 or 8 symbols



Examples

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'0' (two or three symbols) is the code for the tube type, details to be derived from listings 1 and 3.

'1' is a change identification, starting from 0 through 9, eventually followed by Capital A, B, etc.

'2' indicates the manufacturer, details to be derived from listing 0.

'3' indicates the year of production. The code represents the least significant digit, i.e. 7 means 1967.

'4' indicates the month of production (see table below).

'5' represents a week code, as follows:

From the first Monday of the month, the code is 1.

From the second Monday of the month, the code is 2.

From the third Monday of the month, the code is 3.

Etc., the highest code is 5.

January	A
February	B
March	C
April	D
May	E
June	F
July	G
August	H
September	I
October	J
November	K
December	L

Code '4', month of production.

4.12.56
11.2.58
44.2.69
11.8.70

N.V. PHILIPS' GLOEILAMPENFABRIEKEN, EINDHOVEN, NEDERLAND.

RV-5-7-0/1

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AANDUIDING FABRIKANT
INDICATION OF THE MANUFACTURER
INDICE DU FABRICANT

- A Wiener Radio Werke —WIRAG— Wenen.
B Mullard Blackburn
C Hendon Works, Alberton-Australië.
D Valvo Hamburg.
d Ned. Instituut voor Fysisch Onderzoek.
E Hyperelec Brive (Correze).
F La Radiotechnique Suresnes.
T Marconi Osram Valve Cie Ltd. (M.O.V./G.E.C.).
* f/ Standard Telephones and Cables Ltd: nu Thorn (Brimar).
* f Oostduitse oorsprong (na 1.1.'70).
G/ Mullard Fleetwood.
G Loewe Opta (na 22.2.'54).
I Thorn-AEI Radio Valve Cie Ltd (Edison Swan), Mullard Supply.
J Mullard Tottenham (voorheen Tungram Tottenham).
L M.B.L.E. Brussel (Mazda).
m
N Matsushita Electronics Corp. Takatsuki Japan.
/N G.E.C. Mullard Supply, zie achter T
n Matsushita Electronics Corp. Kyoto Japan.
P Fapesa Buenos Aires.
R Mullard Mitcham.
r Philips Electronics Industries Ltd. Ontario Canada.
S Lampara "Z" Barcelona.
T Philips Eindhoven, afd. 22652.
t T.I.C. Philips Export Corp. New York U.S.A.
J C.I.F.T.E. Courbevoie.
U Thorn-AEI Radio Valve Cie Ltd. voorheen B.T.H.

V Bharat Electronics (Private) Ltd. India, Bangalore-13.

X Philips Sittard, afd 22127.
x Philips Chilena de Productos Electricos, Chili.
Y Philips Sittard, afd 22117 en 22118.

Z Philips Monza.
1 Philips Eindhoven afd 22020 (2020).
2 Philips Eindhoven afd 22021 (2021).
S Ferrantie, Mullard Supply.
* 3/ Philips Eindhoven, volggroepen I en II, Schouwbroekseweg.
* 3 Fivre Italië (na 1.1.'70).
E Marconi Chelmsford, Mullard Supply.
4 Venolanda S.A. Venezuela.
4 English Electric Valve Cie, Mullard Supply.
* 5 Toshiba Japan.
C Cinema Television, Mullard Supply.
* 6/ Radiobuizenlab Techn. groep ontv.-buizen: Philips Eindhoven.
* 6 Buizen van Russische oorsprong.
d Mullard Fleetwood (na 18.10.'54).
* 7/ Radiobuizenlab Fys. groep: Philips Eindhoven.
* 7 Hitachi Japan.
V Electrical and Musical Instruments: Mullard Supply.

/ - niet meer gebruiken - / no plus utiliser - no longer be used.

/ - niet meer gebruikt na dec 1959 - n'est plus utilisé depuis dec 1959 - no more used after dec. 1959.

15-12-64-8-2-66
25-10-66-11-2-69
11.8.70

N.V. PHILIPS' GLOEILAMPENFABRIEKEN, EINDHOVEN, NEDERLAND.

RV-5-7-0/1

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AANDUIDING VAN DE FABRIKANT
INDICATION OF THE MANUFACTURER
INDICE DU FABRICANT

- 8 Philips Eindhoven: Radiobuizenlab Glasgroep.
9 Philips Heerlen: Radiobuizenlab Technol. Groep Ontvangbuizen.
+ Philips Sittard: afd. 22126 (2126).
= La Radiotechnique, Clichy (Neutron).
* Amperex Electronic Corp. New York.
- * Δ / Philips Kopenhagen.
 $\angle$ / Comp. de Lampes, Frankrijk
< Philips Electrical Lamps Inc. Philippijnen.
>/ Visseaux, Frankrijk.
+ La Radiotechnique Chartres.
- * $\equiv$ / Electronic Tubes Ltd. (E.T.L.) Mullard Supply.
+ Siemens und Halske, München.
< Mullard Radio Valve Company, Croydon.
 $\square$ Mullard Whyteleafe "A".
 $\triangle$ Philips Heerlen.
 $\sqcap$ Mullard Salfords.
 ψ IBRAPE, Sao Paulo, Brasil.
 $\sqsubset$ Purchases from third parties by Mullard.
 $\odot$ Mullard Whyteleafe "B".
- * $\sqsupset$ Tungsram
 $\perp$ Telefunken en Telefunken Berlin: buiscode gevolgd door 3 x $\frac{0}{-}$
 $\parallel$ Loewe Opta voor Valvo Hamburg.
 $\odot$ Elektronski Industrija, Nis, Jugoslavien.
: Philips Eindhoven: Ontwikkeling Stralingsdetectoren.
- * > Poolse oorsprong (na 1.1.'70).
- * $\equiv$ IPERPESA Peru (na 1.1.'70).

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$\angle$ = niet meer gebruiken - à ne plus utiliser - no longer to be used.

N.V. PHILIPS' GLOEIAMPENFABRIEKEN, EINDHOVEN, NEDERLAND.

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45.42.64
8.2.66
44.2.69
11.8.70