

Introduction.

This DVD contains the Electronic Valve Specifications of nearly 1700 different CV valves.

These specifications were prepared by several Authorities within the Defence Organization, the GPO (General Post Office, Engineer in Chief) and the UK Atomic Energy Authority.

The specs were distributed by the Office of the Technical Valve Committee (TVC).

At the end of the 1960's, the Electronic Valve Specifications (EVS) covered some 7000 pages altogether, accumulated in 7 volumes (the Red Books), requiring some 2 feet of shelf space.

One other volume contained General Specifications on acceptance testing, packing, etc., over 800 pages in total. These specs offer a lot of interesting material on electrical and mechanical valve testing, materials used, envelopes, bases, selection criteria for sample testing, etc.

Please note:

One of these General Specs has its own folder "Functional Classification".

This 1963 document lists CV valves by their function.

It offers the status of that time (1963).

As a consequence, there is no relationship between valve types quoted in this Functional Classification and the availability of a CV type in the folder "CV Valve Specifications".

What is available?

1700 CV types is quite a lot. Still, a large number of valve types are not included, simply because no spec was issued.

In the 1963 issue of the CV Register (available on the Internet) this group of valves is denoted as COM. It means that the commercial specs (data sheets) of the manufacturer apply, also for Service use.

Although quite a lot of "obsolete" specs are retained, some of the very early CV valves are not available. For instance, the specs start at CV 5.

What does an EVS offer?

Most, if not all specs offer the normal operating point of the valve.

In many cases, the maximum ratings and important capacitances are given.

Often outline drawings are available.

Sometimes schematics of special test equipment are provided.

This is all straightforward and easy to read.

The occasional extensive tables of acceptance criteria offer a lot more.

For instance cut-off points and the tolerance to it, in other cases the cathode saturation current, the influence of heater under-voltage, spot diameter and brightness of CRT's, etc.

Graphs are just occasionally available. The other extreme is some valves in the CV 4500 series, with about 30 graphs.

The original material.

Because distributed quantities were limited, EVS were not printed.

Stencils were prepared, using ordinary typewriters. In addition the (occasional skewed) outlines of tables were typed (dashes).
Two paper sizes were used. Around 1960, the size changed from 16 x 22.2 cm to 17 x 24.2 cm. The original sizes are both retained.
Hundreds of hours have been spend on "restoration", i.e. removing black spots, scratches, "printing through" from the reverse side, etc.
(Black spots interfere much more on a computer screen than they do on paper!).

Picture Quality and layout.

Copies are made at 300dpi grayscale and offered as .PDF.
You are looking at "photos", not an ASCII set of characters, as in a Word doc.
Please try different zoom factors/percentages to find the most pleasing setting.
Before commenting, please print a paper copy on a good quality printer.

EVS were kept up-to-date by distributing new issues.
Small changes were implemented by Amendments, issued by the TVC, asking the owner of the data set to manually adapt his documents.
About all of these small sheets are retained and put at the end of each EVS.
They are recognized easily by their odd size and the light grey color.
Moreover they provide proof that a manual change was requested officially.

A file code CV00128-3-67.pdf means: CV128 spec, issue 3, issue date 1967.

Acknowledgements.

The Electronic Valve Specifications are, in my opinion, an important Chapter in valve history, well worth to be preserved.
Salute to the many people, putting together all the bits and pieces, that make up a valve, but also to those concerned with the optimization of production processes and inspection procedures, resulting in a reliable end product.

My sincere thanks to Keith Thrower, for his liaison work and for his spontaneous help in photographing at the start of the project.
To Rod Burman and Philip Taylor for making available the valuable originals, an indispensable requirement for the completion this project.

Most credit goes to my wife Anja; she had a wonderful week at the Isle of Wight, while I did the photographing. Thereafter, she missed part of her husband for over 2 years, being glued to his computer screen.

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The amount of copies requested is our reward for all the work done.

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