NT98D / CV1255 / CV1494 – S Band Pulse Magnetron

CV1255 was the title from CV register assigned to the NT98 magnetron, also known as Admiralty Pattern W. 2510. It was soon evident that in a naval squadron radar sets of several battleships, operating at the same frequency, could interfere with one another. A partial solution was to operate each radar at a different frequency. This gave origin to frequency variants spaced about 30 MHz from each other. A suffix, A to D, was added to identify the operating frequency. CV1255 was soon superseded by the four frequency variants CV1491 to CV1494, assigned respectively to NT98A to NT98D. To be used with CV35 as local oscillator in the receiver.

The box of the above sample, even if marked as generic CV1255, NT98 or APW 2510, actually contains an NT98D one of the four frequency variants directly derived from the early E1189 unstrapped prototypes. Also equivalent to Canadian REL3D.

For more information on the development of early magnetrons in Great Britain and in America please refer to NT98C. Data available for the equivalent CV1494.