

8011 – UHF Power Triode



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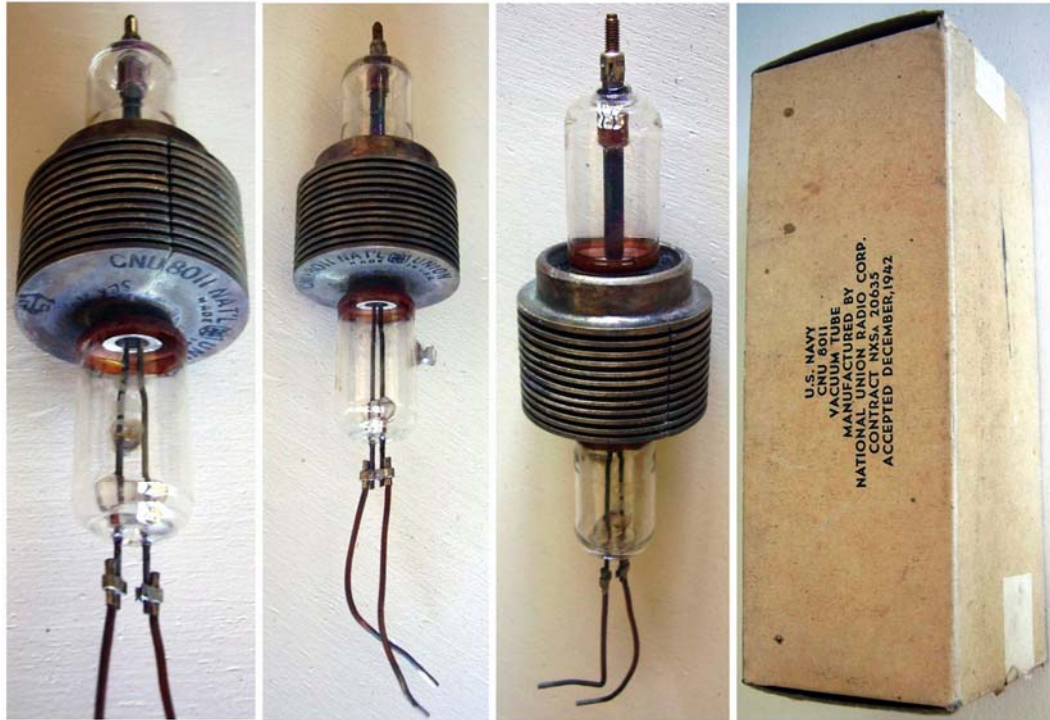
Forced-air cooled external anode 'micropup' UHF transmitting triode. Maximum useful frequency 600 MHz. This type was manufactured during WWII by Amperex, Northern Electric, National Union, RCA and STC Australia.

8.2 V at 7 A heater.

Equivalent to [710A](#), [REL1](#), [VT90](#) and other types all derived from the British GEC E1046 prototype.

The production of this tube is related to the production of airborne radar sets in America, all derived from the British ASV Mark II sample brought by the Tizard Mission. Waiting for the new centimetric radar sets to become operational, America decided to use the same metric radar already operating in Great Britain. American production was known as SCR-540, also known as Navy ASE, for installation aboard PBY Catalina and other large patrol aircraft. According to some sources, about six hundreds units were built by Western Electric. Bowen reports higher figures, with a production of some 7000 copies of ASV Mark II by Philco plus about 10000 sets built by Canadian REL. Maybe that he was referring to total ASV sets, also including ASB, or Signal Corps. SCR-521, which had been redesigned for use in lighter aircraft. Anyway it is reasonable to expect a Canadian production of sets very similar to the original ASV Mark II.

Recently found a sample made for US Navy by National Union which must be added to the list of known manufacturers for this tube. The sample was delivered in December 1942, as printed on the original box shown in the photos below.



Sample of 8011 made by National Union in December 1941.