

2C39 – UHF Power Triode



‘Oil-can’ shape UHF planar triode. The large finned plate radiator allows up to 100W dissipation with forced ventilation. General Electric design, introduced during WWII, 2C39 derives from the GE experimental tube known as [L-14](#). Introduced during WWII, it was registered only in 1946. Special selection 2C39, or maybe simply relaxed specs, was offered as 2C38.

The tube has been produced by many manufacturers, as RCA, Machlett, Eimac, Sylvania and Siemens. Glass or ceramic spacers depending upon the variant, A, B, WA, the manufacturer and the production year. In the picture above we can see from left a General electric sample with glass spacer shaped as truncated cone, a sample with ceramic spacers and two Machlett samples with the typical barrel-shaped glass spacer.

In the years the successful design of 2C39 gave origin to countless variants for specific applications, including types for pulsed operation in airborne equipment.

Mu 100, Gm 17mS, operation 500 MHz full ratings, up to 2.5 GHz with reduced ratings.

1.1 A at 6.3 V heater.

Data available in the RMA registration record [504](#).