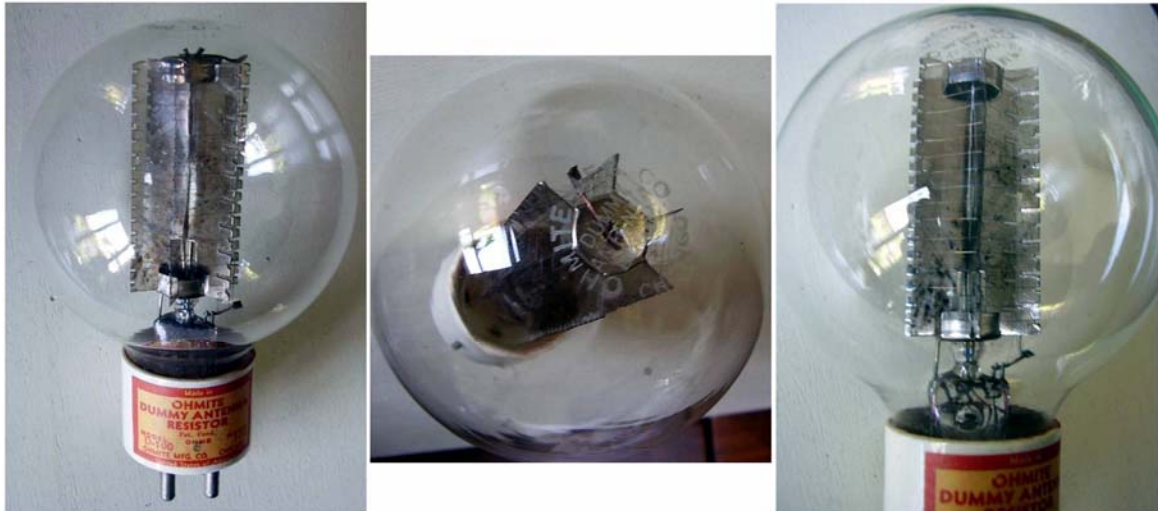


D100-8 – Ohmite Dummy Load Resistor



Actually this is not a vacuum tube but a power resistor intended to be used as dummy load. Low-inductance wire wound element on the mica frame mounted inside the glass bulb.

8 ohms nominal value, 100W power dissipation. UX porcelain base.

Dummy antenna resistor. 8 ohm 100W non-inductive. Ohmite mfg. Co., Chicago.

The D100 (100W) and D250 (250W) RF resistors were available in many resistance values, from 13 to 600 ohms at the start, but later even other values. Distributed capacitance was around 5pF, while residual inductance was between 0.1 and 1 microhenries, depending upon resistance value. Max operating frequency ranges from 40MHz for the 13 ohms type to 5MHz for the 600 ohms. The 8 ohm type above was probably used as load for audio amplifiers.

Described in the MIT Radiation Lab. Series, Components Handbook by Blackburn.