

6094 / TE-18 - High-Rel Beam Power Amplifier



High-rel, 10,000 hours life, beam power tube. Derived from the generic type 6AQ5/6005, the 6094 has nonex bulb, tungsten pins, ceramic spacers. Mica rings only to center the electrode block inside the envelope, with no contact to hot parts, later replaced by springs. The tubes were carefully outgassed, even by electron bombardment, before sealing. Each tube was subjected to 45 hours burn-in under various overload, shock and vibration conditions, to evidence any minor defect.

Environmental specs were quite impressive:

- Max bulb temperature 300°C
- Max altitude 80,000 ft
- Max impact shock 500 g
- Max vibrational acceleration 50 g

Registered to Bendix in December 1954, RMA record [1391](#).

