

## SAL89 / F2004 – Klystron Power, Linear Beam



Three-cavity linear beam klystron, designed for pulsed operation in TACAN ground or shipboard beacons. Space charge beam focusing; integral resonant cavities; forced air cooling.

As RF amplifier it requires 30W in input to generate 25 kW pulses at frequencies from 960 to 1215 MHz. 17 KV typical beam voltage, -170 V negative grid bias, 575 V grid drive. 2.5% typical duty cycle.

The Sperry SAL89 was first advertised in [Electronics, February 1957](#). It was also licence built by LMT, France, as F2004. The SAL89 was the successor of the early type SAL39. Sample coming from the collection of Peter den Boer, The Netherlands.