

4C28 – UHF Power Triode



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Micropup pulse-rated power triode.

Oxide coated cathode, 6 V at 6.5 A heater.

8 kV max anode voltage, 2 A peak anode current; gain 22. 150 W anode dissipation with forced air cooling.

Intended for application in the [SHORAN VHF navigation system](#) designed by RCA during WWII. Two in the airborne interrogator-responder of AN/APN-3, each driven by one [3E29](#) as pulser and generating 12 kW pulses. Each section of the interrogator operated in the range from 220 to 260 MHz, on two different channels spaced about 20 MHz. Two tubes were used in each of the ground beacons AN/CPN-2, driven by three 3E29s and giving 30 kW pulses at a frequency between 290 and 320 MHz.

Originally introduced by RCA, later manufactured by Central Sales and Mfg. Corp., Denville, NJ, USA.

[4C28](#) data.