



Application Note

Pencil-Type Triodes RCA-5675 and RCA-5876

AN - 147
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In the reprint of the RCA REVIEW paper "Pencil-Type UHF Triodes" by G. M. Rose, D. W. Power, and W. A. Harris (ST-498) which was distributed with Application Notes AN-142 and 143 early this year, reference was made to pencil-type tubes having Developmental No. A-2352 and A-2351. These types are now available commercially and are designated as RCA-5675 and RCA-5876, respectively.

RCA-5675 is a medium- μ triode intended for use in oscillator service at frequencies up to 3000 megacycles per second. In such service, it is capable of giving a power output of 475 milliwatts at 1700 megacycles per second, and about 50 milliwatts at 3000 megacycles per second.

RCA-5876 is a high- μ triode intended primarily for use in grounded-grid service as a radio-frequency amplifier, intermediate-frequency amplifier, or mixer tube in receivers operating at frequencies up to about 1000 megacycles per second; as a frequency multiplier up to about 1500 megacycles per second; and as an oscillator up to 3000 megacycles per second.

A third pencil-type triode, also mentioned in the RCA REVIEW paper, is scheduled for an early announcement date. This type is intended for use in plate-pulsed service and in radio-frequency power amplifiers and oscillators at frequencies as high as 3000 megacycles per second.