

With 6000 hours of warranted life—six times that of a traveling-wave tube . . . with a price tag (including predesigned matching cavity) which is less than one-third that of a traveling-wave tube system . . . and with from five to seven watts minimum power output in the S (2-4 Kmc) or C (4-6 Kmc) band, as you specify, the Amperex Type 8436 disc-seal microwave triode; at long last, gives the designer of unattended link, telemetry or industrial microwave communications equipment the answer he has been waiting for.

As a broadband power amplifier, the 8436 will deliver 5 watts power output at 4200 Mc, with a power gain of 6 db over a 50 Mc bandwidth (0.1 db points).

A second Amperex triode, the 8108, is a 2-watt power-output version of the 8436 and is mechanically identical to it. Like the 8436, the 8108 has an expected life span of 10,000 hours and is guaranteed for 6000 hours. Both tubes operate at only 180 volts, thus simplifying power supply, insulation and safety problems. In addition to common carrier ap-

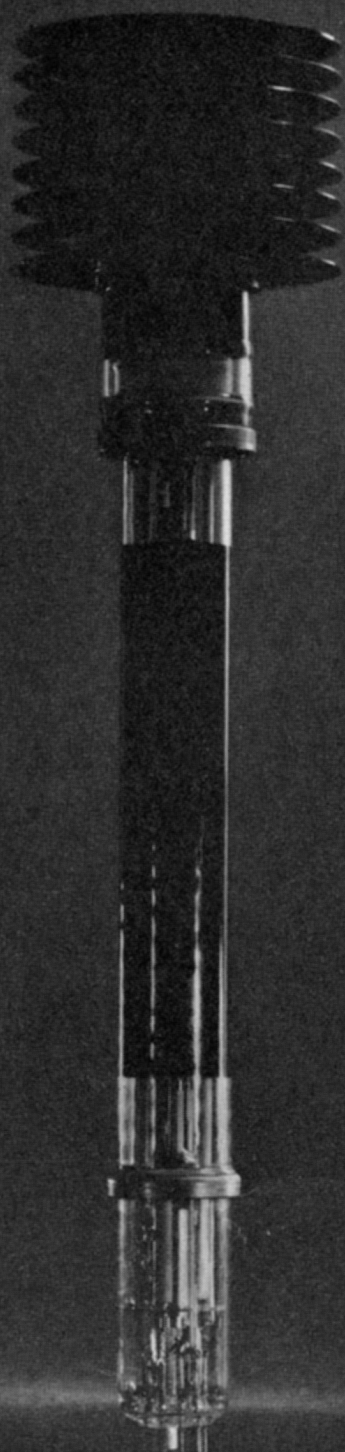
plications, either tube can be used as an oscillator or frequency doubler.

Compatible cavities, wave guides, attenuators and isolators are available from Amperex as off-the-shelf accessories for both tubes.

For additional information on the 8436, 8108 and other Amperex tubes (and associated hardware) for microwave applications, write: Amperex Electronic Corporation, Microwave Tube Department, Hicksville, Long Island, New York, N. Y. 11802.

IN CANADA: PHILIPS ELECTRON DEVICES LTD., TORONTO 17, ONTARIO

# Amperex<sup>®</sup>



This is the  
Amperex microwave triode  
that made the  
traveling-wave tube  
obsolete for  
common carrier applications!

