



# Announcing a NEW FM Phase-Modulation Tube

## Revolutionary in design and performance

Achieves modulation by providing a rotating "wheel" of electrons, which is advanced or retarded in speed by magnetic fields produced by audio-frequency currents.

**DIRECT CRYSTAL FREQUENCY CONTROL  
WITH ONLY ONE CRYSTAL. NO MOTORS  
OR REACTANCE-TUBE TUNING.**



Type GL-2H21  
**PHASITRON**

### Ratings for Typical Operation

Heater voltage	6.3 v	d-c
Heater current	300 ma	d-c
Voltage, solid anode	250 v	d-c
Voltage, perforated anode	200 v	d-c
Voltage, 1st focus electrode	10 v	d-c
Voltage, 2nd focus electrode	25 v	d-c
Voltage, 3-phase deflectors	85 v	d-c
Voltage, neutral deflector	30 v	d-c
Driving voltage, r-f	35 v rms	
Audio driving power	50 mw	

**P**ioneered by Zenith—developed, designed, and built by General Electric—the new PHASITRON tube offers sensational advantages to manufacturers and users of FM transmitters.

Several tuned circuits, with their tubes and other components, are eliminated by Type GL-2H21. Greater frequency stability—less distortion—a lower noise level—these are important improvements

in FM transmitters made possible by the PHASITRON.

Use of Type GL-2H21 produces a straightforward FM transmitter design, one which is easier to tune—also it means less maintenance for the transmitter operator, as well as a simpler, more reliable product in the 88 to 106-megacycle band.

Fast service by G-E tube engineers is available to manufacturers who wish to consider the PHASITRON

for their new FM transmitter circuits. Phone your nearest G-E office, or communicate direct with *Electronics Department, General Electric Company, Schenectady 5, N. Y.*

# GENERAL ELECTRIC

161-E2-8850

TRANSMITTING, RECEIVING, INDUSTRIAL, SPECIAL PURPOSE TUBES • VACUUM SWITCHES AND CAPACITORS