

ELECTRONIC  
INNOVATIONS  
IN ACTION

General Electric Company

# Gated-Beam Discriminator

## TUBES

The 10Z10 is a compactron containing a gated-beam discriminator and a beam pentode. The gated-beam discriminator is suitable for FM and TV limiter and discriminator applications; and the beam pentode for audio power output service. Except for heater characteristics and ratings, the 10Z10 is identical to the 6Z10.

### GENERAL

#### ELECTRICAL

Cathode - Coated Unipotential

Heater Characteristics and Ratings

Heater Voltage, AC or DC*	10	V
Heater Current	0.6 ± 0.04	A
Heater Warm-up Time, average♦	11	Sec

### NOTES

- \* Heater voltage for a bogey tube at  $I_f = 0.6$  amperes.
- The equipment designer should design the equipment so that heater current is centered at the specified bogey value, with supply variations restricted to maintain heater current within the specified tolerance.
- ♦ The time required for the voltage across the heater to reach 80 percent of the bogey value after applying 4 times the bogey heater voltage to a circuit consisting of the tube heater in series with a resistance equal to 3 times the bogey heater voltage divided by the bogey heater current.

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**10Z10**

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