# 17AX3 through 17BZ3

17AX3
17BE3
17BF11
17BF11-A
17BW3
17BZ3

**17AX3 Compactron Diode.** The 17AX3 is a compactron, single heater-cathode type diode, intended for service as the damping diode in the horizontal-deflection circuit of television receivers.

Except for heater characteristics and ratings, the 17AX3 is identical to the 6AX3 and 12AX3.

## GENERAL

### ELECTRICAL

Cathode - Coated Unipotential

Heater Characteristics and Ratings

| | | |
|---|---|---|
| Heater Voltage, AC or DC★ | 16.8 | Volts |
| Heater Current■ | 0.45 ± 0.03 | Amperes |
| Heater Warm-up Time, Average♦ | 11 | Seconds |

**17BE3 Compactron Diode.** The 17BE3 is a compactron, single heater-cathode type diode, intended for service as the damping diode in the horizontal-deflection circuit of television receivers.

Except for heater characteristics and ratings, the 17BE3 is identical to the 6BE3 and 12BE3.

## GENERAL

### ELECTRICAL

Cathode - Coated Unipotential

Heater Characteristics and Ratings

| | | |
|---|---|---|
| Heater Voltage, AC or DC★ | 16.8 | Volts |
| Heater Current■ | 0.45 ± 0.03 | Amperes |
| Heater Warm-up Time, Average♦ | 11 | Seconds |

**17BF11 Compactron Dissimilar Double Pentode.** The 17BF11 is a compactron containing a sharp-cutoff dual-control pentode and a power pentode. The dual-control pentode is intended for use as an FM detector and the power pentode as an audio-frequency output amplifier in television receivers.

Except for heater characteristics and ratings, the 17BF11 is identical to the 6BF11.

## GENERAL

### ELECTRICAL

Cathode - Coated Unipotential

Heater Characteristics and Ratings

| | | |
|---|---|---|
| Heater Voltage, AC or DC★ | 16.8 | Volts |
| Heater Current■ | 0.45 ± 0.03 | Amperes |
| Heater Warm-up Time, Average♦ | 11 | Seconds |

**17BF11-A Compactron Dissimilar Double Pentode.** The 17BF11-A is a compactron containing a sharp-cutoff dual-control pentode and a power pentode. The dual-control pentode is intended for use as an FM detector and the power pentode as an audio-frequency output amplifier in television receivers.

The 17BF11-A is unilaterally interchangeable with the 17BF11 and differs only in utilizing a shorter envelope.

## GENERAL

### MECHANICAL

Outline Drawing

| | | |
|---|---|---|
| Maximum Diameter | 1.188 | Inches |
| Minimum Diameter | 1.062 | Inches |
| Maximum Over-all Length | 2.250 | Inches |
| Maximum Seated Height | 1.875 | Inches |
| Minimum Seated Height | 1.625 | Inches |

**17BW3 Compactron Diode.** The 17BW3 is a compactron, single heater-cathode type diode intended for service as the damping diode in the horizontal-deflection circuit of television receivers.

Except for heater characteristics and ratings, the 17BW3 is identical to the 22BW3.

## GENERAL

### ELECTRICAL

Cathode - Coated Unipotential

Heater Characteristics and Ratings

| | | |
|---|---|---|
| Heater Voltage, AC or DC● | 16.8 | Volts |
| Heater Current■ | 0.6 ± 0.04 | Amperes |
| Heater Warm-up Time, Average♦ | 11 | Seconds |

**17BZ3 Compactron Diode.** The 17BZ3 is a compactron, single heater-cathode type diode intended for service as the damping diode in the horizontal-deflection circuit of television receivers.

Except for heater characteristics and ratings, the 17BZ3 is identical to the 6BZ3.

## GENERAL

### ELECTRICAL

Cathode - Coated Unipotential

Heater Characteristics and Ratings

| | | |
|---|---|---|
| Heater Voltage, AC or DC★ | 16.8 | Volts |
| Heater Current■ | 0.45 ± 0.03 | Amperes |
| Heater Warm-up Time, Average♦ | 11 | Seconds |

## NOTES

★ Heater voltage for a bogey tube at If = 0.45 amperes.

● Heater voltage for a bogey tube at If = 0.6 amperes.

■ The equipment designer should design the equipment so that heater current is centered at the specified bogey value, with heater 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.

**TUBE PRODUCTS DEPARTMENT**

**GENERAL ELECTRIC**

**Owensboro, Kentucky 42301**