



**ELECTRONIC  
INNOVATIONS**  
IN ACTION

**TUBES**

**PRODUCT INFORMATION**

<b>8AR11</b>
<b>8B10</b>

**8AR11 - 8B10**

**8AR11 Compactron Twin Pentode.** The 8AR11 is a compactron containing two remote-cutoff pentodes. It is designed primarily for intermediate-frequency amplifier service in television receivers.  
 Except for heater characteristics and ratings, the 8AR11 is identical to the 6AR11 and 11AR11.

**GENERAL**

**ELECTRICAL**

Cathode - Coated Unipotential

Heater Characteristics and Ratings

Heater Voltage, AC or DC† . . . . .	8.4	Volts
Heater Current‡ . . . . .	0.6±0.04	Amperes
Heater Warm-up Time, Average¶. . . . .	11	Seconds

**8B10 Compactron Duplex-Diode Twin Triode.** The 8B10 is a compactron containing two diodes and two triodes. The triode sections have separate cathodes and the diode sections have a common cathode. The diodes are intended for horizontal phase-detector service and the triodes for horizontal oscillator service.  
 Except for heater characteristics and ratings, the 8B10 is identical to the 6B10.

**GENERAL**

**ELECTRICAL**

Cathode - Coated Unipotential

Heater Characteristics and Ratings

Heater Voltage, AC or DC* . . . . .	8.5	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.

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