16AK9, 16BQ11

16AK9
16BQ11

16AK9 Compactron Dissimilar-Double-Triode Pentode. The 16AK9 is a multifunction compactron containing two dissimilar triodes and a beam pentode. The pentode section is suitable for vertical-deflection amplifier service in medium-sized color television receivers. Triode Section 2 (pins 2, 3, and 7) has an amplification factor of 20 and is especially suited for vertical oscillator use. Triode Section 1 has an amplification factor of 43 and is well suited for sync-clipper applications.

Except for heater characteristics and ratings, the 16AK9 is identical to the 6AK9.

GENERAL

ELECTRICAL

Cathode - Coated Unipotential

Heater Characteristics and Ratings

Heater Voltage, AC or DC★	16.4	Volts
Heater Current●	0.6 ± 0.04	Amperes
Heater Warm-up Time, Average■	11	Seconds

16BQ11 Compactron Dissimilar Double Pentode. The 16BQ11 is a compactron containing a remote-cutoff pentode (Section 1) and a sharp-cutoff pentode (Section 2). It is intended primarily for use in the intermediate-frequency amplifier stages of television receivers.

Except for heater characteristics and ratings, the 16BQ11 is identical to the 11BQ11.

GENERAL

ELECTRICAL

Cathode - Coated Unipotential

Heater Characteristics and Ratings

Heater Voltage, AC or DC♦	16	Volts
Heater Current●	0.315 ± 0.02	Amperes
Heater Warm-up Time, Average■	11	Seconds

NOTES

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

♦ Heater voltage for a bogey tube at If = 0.315 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.

Supersedes 16AK9 D and R Sheet dated 11-67 and 16BQ11 D and R Sheet dated 10-68

TUBE PRODUCTS DEPARTMENT

GENERAL ELECTRIC

Owensboro, Kentucky 42301