The BRIMAR C23AK/AW59-90 is a rectangular 110° deflection angle teletube with electrostatic focus, an aluminised screen and an external conductive coating. The screen colour is white with a grey glass faceplate (transmission 70 per cent approx.). The screen shape features much “squarer” corners than conventional 110° tubes.

Heater Voltage ... ... ... ... 6.3 volts
Heater Current ... ... ... ... 0.3 amp.

RATINGS
Final Anode Voltage \((V_{a2} + a4)\) 16.0 kV. max.
Final Anode Voltage \((V_{a2} + a4)\) 13.0 kV. min.
Focus Anode Voltage \((V_{a3})\) positive 1.0 kV. max.
Focus Anode Voltage \((V_{a3})\) negative 500 volts max.
First Anode Voltage \((V_{a1})\) 500 volts max.
First Anode Voltage \((V_{a1})\) 200 volts min.
Grid Voltage \((V_{g})\) peak +2.0 volts max.
Heater to Cathode Voltage \((V_{hk})\) k positive 200 volts max,
Heater to Cathode Voltage \((V_{hk})\) k negative 125 volts max.
Heater to Cathode Voltage \((V_{hk})\) k positive *410 volts max.
Supply Source Impedance—\(a2\) ... ... ... 1.5 M\(\Omega\) max.
Supply Source Impedance—\(a1\) ... ... ... 2.5 M\(\Omega\) max.
Grid—Cathode Resistance \((R_{gk})\) 1.5 M\(\Omega\) max.

*During equipment warm-up not exceeding 45 seconds.

OPERATING CHARACTERISTICS
Final Anode Voltage \((V_{a2} + a4)\) 16 kV
Focus Anode Voltage \((V_{a3})\) 0—400 volts
First Anode Voltage \((V_{a1})\) 400 volts
Grid Voltage for Raster cut-off ... ... ... —38 to —94 volts
Peak to Peak Modulation for 150 uA beam current 30 volts.

INTER-ELECTRODE CAPACITANCES
Grid to all ... ... ... ... ... 6.0 pF
Cathode to all ... ... ... ... ... 4.0 pF
Final Anode to external coating ... ... ... ... 1,800 pF