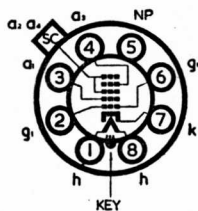


#### Current Equipment Type

### TYPE C19AK/AW47-90 B8H BASE



The BRIMAR C19AK/AW47-90 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	amps.

#### RATINGS

Final Anode Voltage	$(V_{a_2+a_4})$		16.0	kV. max.
Final Anode Voltage	$(V_{a_2+a_4})$		13.0	kV. min.
Focus Anode Voltage	$(V_{a_3})$	positive	1.0	kV. max.
Focus Anode Voltage	$(V_{a_3})$	negative	500	volts max.
First Anode Voltage	$(V_{a_1})$		500	volts max.
First Anode Voltage	$(V_{a_1})$		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— $a_2$	...	...	1.5	M $\Omega$ max.
Supply Source Impedance— $a_1$	...	...	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	$(V_{a_2+a_4})$	...	...	16	kV.
Focus Anode Voltage	$(V_{a_3})$	...	...	0 to 400	volts
First Anode Voltage	$(V_{a_1})$	...	...	400	volts
Grid Voltage for Raster cut-off	...	...	...	-38 to -94	volts
Peak to Peak Modulation for 150 $\mu$ A beam current				30	volts

#### INTER-ELECTRODE CAPACITANCES

Grid to all	...	...	...	6.0	pF
Cathode to all	...	...	...	4.0	pF
Final Anode to external coating	...	...	...	1,150	pF

