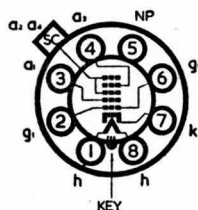


Current Equipment Type

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_{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— a_2	...	1.5	MΩ max.
Supply Source Impedance— a_1	...	2.5	MΩ max.
Grid—Cathode Resistance	(R_{gk})	1.5	MΩ 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 to 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 μA 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

