Monitor Cathode Ray Tube

C6SS/1B (VLS492AB)
C6SS/1G (VLS492AG)

	VLS492AB (Blue Screen)	VLS492AG (Green Screen)	

CATHODE.

Indirectly-heated oxide-coated		
Voltage	2	V
Nominal current	1.8	A

INTER-ELECTRODE CAPACITIES.

X_1 to X_2	0.8	pF
Y_1 to Y_2	4.3	pF
X_1 to all	6.6	pF
Y to all	6.0	pF
Grid to all	8.5	pF

CONSTANTS.

Second anode voltage	250 to 1,000	V
First anode voltage	130 to 500	V
Sensitivity where Va_2 = 2nd anode voltage	X plates $\frac{110}{\sqrt{Va_2}}$	mm./V
	Y plates $\frac{120}{\sqrt{Va_2}}$	mm./V

DIMENSIONS.

Maximum overall length	181	mm.
Maximum bulb diameter	40	mm.
Base	Medium shell Octal	
Net weight	100	g.

TYPICAL OPERATION.

Second anode voltage	500	1,000	V
First anode voltage	100	200	V
Grid bias	0 to —5	—5 to —10	V

NOTES ON OPERATION.

1. The life of the tube will be materially increased by keeping the negative grid bias as high as is consistent with the brilliance required.
2. Earthing the second anode increases the stability of the trace.

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NOTES ON OPERATION—(continued)

3. Provision should be made for a path from the deflector-plates to the anode, e.g. by resistance of 1 to 5 M Ω. The plate Y is strapped to the second anode internally.

4. The tube operates more effectively at the higher anode voltages.

5. Focusing is effected by the variation of the first anode voltage for a fixed value of second anode voltage.

6. The key-way is 45° to the plane of the deflector plates.