

# VISITRON

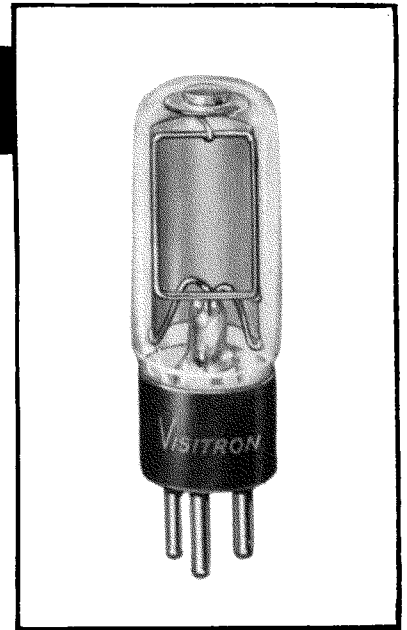
## R51 SERIES

The rectangular anode of this tube offers no interference to the smallest of light sources, thus permitting a shadow-free cathode area. This particular Visitron is commonly used in portable 16 MM sound-on-film production equipment.

The R51 Series is supplied with two types of cathode surfaces, "A" type sensitive to infra-red and "B" type sensitive to blue.

The R51 blue sensitive Visitron phototubes have increased sensitivity to light sources predominating in blue radiation and a negligible sensitivity to infra-red radiation. This high sensitivity to blue radiation makes this tube particularly valuable for use in sound reproduction involving a dye-image sound track in conjunction with an incandescent light source. The R51B blue sensitive series are available on special order with non-hygroscopic ceramic bases.

The R51 Series is also available on special order with Corex D bulb for use in the ultra-violet region of the spectrum. These ultra-violet tubes are identified by the letter "C" (Example R51CV-2). Prices will be submitted upon application.



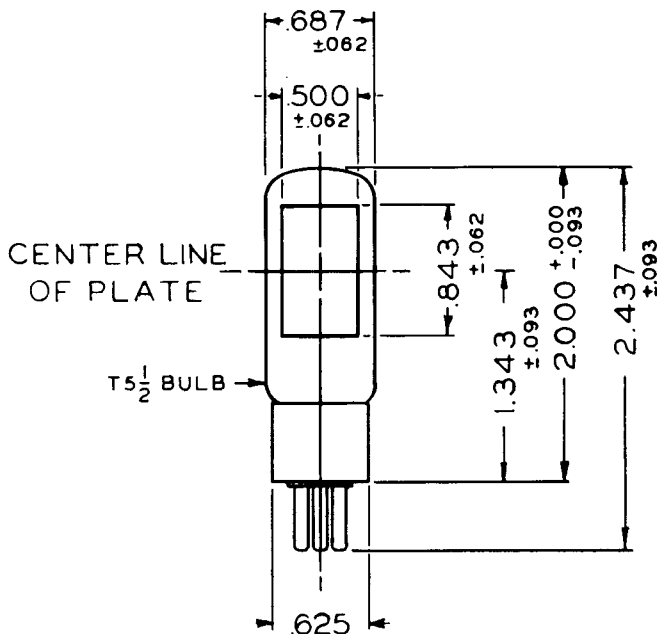
TYPE R51

### GENERAL CHARACTERISTICS

	R51A	R51AV	R51B	R51BV
Cathode Surface	S1	S1	S4	S4
Cathode Size	.843" x .500"	.843" x .500"	.843" x .500"	.843" x .500"
Capacitance (Anode-Cathode)	2.5 MMF.	2.0 MMF.	2.5 MMF.	2.0 MMF.
Leakage Resistance (Min)	1000 Meg.	1000 Meg.	1000 Meg.	1000 Meg.

### MAXIMUM RATINGS

	R51A	R51AV	R51B	R51BV
Anode Voltage, Peak	90V	500V	90V	500V
Luminous Sensitivity	250 $\mu$ A/L DC	37 $\mu$ A/L DC	300 $\mu$ A/L DC	40 $\mu$ A/L DC
Luminous Sensitivity (25v)	35 $\mu$ A/L DC	35 $\mu$ A/L DC	40 $\mu$ A/L DC	37 $\mu$ A/L DC
Gas Amplification	12	- - -	10	- - -
Temperature, ambient	100°C	100°C	100°C	100°C



DIRECTION OF LIGHT

