

# VISITRON

## R59 SERIES

The R59 series tubes are widely used in theater sound projection equipment. This medium sized tube has long been prominent in 35 MM semi-portable systems. Its rugged dependability makes it exceptionally adaptable to industrial electronic equipment.

The R59 series is supplied with two types of cathode surfaces, "A" type sensitive to infra-red and "B" type sensitive to blue.

The blue sensitive Visitron tubes have a high response to blue radiation and insignificant response to red radiation. This tube will prove advantageous in sound reproductions involving a dye-image sound track in conjunction with an incandescent light source.

The R59 series is also available on special order with Corex D bulb for use in applications requiring response in the ultra-violet region. Among the many uses of this type tube are rapid and direct measurement of spectrum line intensities without recourse to photography and the measurement of ultra-violet intensities in biological and therapeutic work. These ultra-violet tubes are identified by the letter "C" (example R59CV-2). Price will be submitted upon application.



TYPE R59

### GENERAL CHARACTERISTICS

	R59A	R59AV	R59TA	R59TAV
Cathode Surface.....	S1	S1	S1	S1
Cathode Size.....	1.37" x .62"	1.37" x .62"	1.37" x .62"	1.37" x .62"
Capacitance (Anode-Cathode).....	2.5 MMF.	2.0 MMF.	< .8 MMF.	< .7 MMF.
Leakage Resistance (Min).....	1000 Meg.	1000 Meg.	1000 Meg.	1000 Meg.
	R59B	R59BV	R59TB	R59TBV
Cathode Surface.....	S4	S4	S4	S4
Cathode Size.....	1.37" x .62"	1.37" x .62"	1.37" x .62"	1.37" x .62"
Capacitance (Anode-Cathode).....	2.5 MMF.	2.0 MMF.	< .8 MMF.	< .7 MMF.
Leakage Resistance (Min).....	1000 Meg.	1000 Meg.	1000 Meg.	1000 Meg.

### MAXIMUM RATINGS

	R59A	R59AV	R59TA	R59TAV
Anode Voltage, Peak.....	90V	500V	90V	500V
Luminous Sensitivity.....	225 uA/L DC	40 uA/L DC	225 uA/L DC	40 uA/L DC
Luminous Sensitivity (25v).....	40 uA/L DC	35 uA/L DC	40 uA/L DC	35 uA/L DC
Gas Amplification.....	8	---	8	---
Temperature, ambient.....	100°C	100°C	100°C	100°C
	R59B	R59BV	R59TB	R59TBV
Anode Voltage, Peak.....	90V	500V	90V	500V
Luminous Sensitivity.....	250 uA/L DC	45 uA/L DC	250 uA/L DC	45 uA/L DC
Luminous Sensitivity (25v).....	40 uA/L DC	40 uA/L DC	40 uA/L DC	40 uA/L DC
Gas Amplification.....	8	---	8	---
Temperature, ambient.....	100°C	100°C	100°C	100°C

