

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 uAL/DC | 40 uA/L DC | 35 uAL/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 |

