

# VISITRON



TYPE R58

## R58 SERIES

A sturdy constructed tube designed to withstand shock and handling.

We recommend this tube to manufacturers developing new sound heads as the preferred type for use in portable 16 MM sound-on-film projection equipment.

The R58 series is exceptionally dependable when used in industrial electronic control equipment (such as counting, sorting, burglar alarms, smoke alarms, etc.)

## R61 SERIES

The R61 Visitron phototube has the same general characteristics and maximum ratings as the R58 series but different physical characteristics. This tube is supplied with a five prong octal type base and a T9 bulb, dimensions are shown on drawing below.

The R61 series is supplied with two types of cathode surfaces, "A" type sensitive to infra-red and "B" type sensitive to blue.

The exceptional high response to blue radiation and insignificant response to red radiation of the R61 blue sensitive tube makes it valuable in flame control work where it is desired that the tube respond to the flame and not to heated objects in it. The R61B series can be supplied on special order with non-hygroscopic ceramic bases.

## GENERAL CHARACTERISTICS

	R58A	R58AV	R61A	R61AV	R61B	R61BV
Cathode Surface .....	S1	S1	S1	S1	S4	S4
Cathode Size .....	1.00" x .625"	1.00" x .625"	1.00" x .625"	1.00" x .625"	1.00" x .625"	1.00" x .625"
Capacitance (Anode-Cathode) ...	2.5 MMF.	2.0 MMF.	2.5 MMF.	2.0 MMF.	2.5 MMF.	2.0 MMF.
Leakage Resistance (Min) .....	1000 Meg.	1000 Meg.	1000 Meg.	1000 Meg.	1000 Meg.	1000 Meg.

## MAXIMUM RATINGS

	R58A	R58AV	R61A	R61AV	R61B	R61BV
Anode Voltage, Peak .....	90V	500V	90V	500V	90V	500V
Luminous Sensitivity .....	225 uA/L DC	40 uA/L DC	225 uA/L DC	40 uA/L DC	250 uA/L DC	45 uA/L DC
Luminous Sensitivity (25v).....	40 uA/L DC	35 uA/L DC	40 uA/L DC	35 uA/L DC	40 uA/L DC	40 uA/L DC
Gas Amplification .....	8	- - -	8	- - -	8	- - -
Temperature, ambient .....	100°C	100°C	100°C	100°C	100°C	100°C

