

Photomultiplier tube

## R1166



19mm dia., Head-on type, Bialkali photocathode (Effective area : 15 mm dia./Spectral response : 300 nm to 650 nm)

Contact us

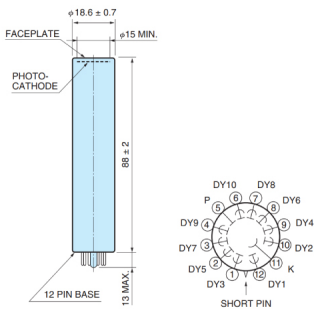
Dimensional outline (Unit: mm) ↓

## Specifications

Type	Head-on type
Tube Size	Dia.19 mm
Photocathode Area Shape	Round
Photocathode Area Size	Dia.15 mm
Wavelength (Short)	300 nm
Wavelength (Long)	650 nm
Wavelength (Peak)	420 nm
Spectral Response Curve Code	400K
Photocathode Material	Bialkali
Window Material	Borosilicate glass
Dynode Structure	Linear-focused


Dynode Stages	10
[Max. Rating] Anode to Cathode Voltage	1250 V
[Max. Rating] Average Anode Current	0.1 mA
Anode to Cathode Supply Voltage	1000 V
[Cathode] Luminous Sensitivity Min.	70 $\mu\text{A}/\text{lm}$
[Cathode] Luminous Sensitivity Typ.	110 $\mu\text{A}/\text{lm}$
[Cathode] Blue Sensitivity Index (CS 5-58) Typ.	10.5
[Cathode] Radiant Sensitivity Typ.	85 mA/W
[Anode] Luminous Sensitivity Min.	10 A/lm
[Anode] Luminous Sensitivity Typ.	110 A/lm
[Anode] Radiant Sensitivity Typ.	$8.5 \times 10^4$ A/W
[Anode] Gain Typ.	$1.0 \times 10^6$
[Anode] Dark Current (after 30min.) Typ.	1 nA
[Anode] Dark Current (after 30min.) Max.	5 nA
[Time Response] Rise Time Typ.	2.5 ns
[Time Response] Transit Time Typ.	27 ns

## Dimensional outline (Unit: mm)




Contact us for more information.


---

 Literature

 Price

 Delivery

 Custom order

 Support

 Other

[Contact us](#)

---

[Disclaimer](#) 

---

## Related products



High voltage power supply module  
C10940-03



D-type socket assembly E974-13

*No image*