

Photomultiplier tube R374



28mm dia., Head-on type, Multialkali photocathode (Effective area : 25 mm dia./Spectral response : 185 to 850 nm)

 [Datasheet](#) [28 KB/PDF]

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▸ Specifications |

Specifications

Type	Head-on type
Tube Size	Dia.28 mm
Photocathode Area Shape	Round
Photocathode Area Size	Dia.25 mm
Wavelength (Short)	185 nm
Wavelength (Long)	850 nm
Wavelength (Peak)	420 nm
Spectral Response Curve Code	500U
Photocathode Material	Multialkali
Window Material	UV glass
Dynode Structure	Box-and-grid
Dynode Stages	11
[Max. Rating] Anode to Cathode Voltage	1500 V

[Max. Rating] Average Anode Current	0.1 mA
Anode to Cathode Supply Voltage	1000 V
[Cathode] Luminous Sensitivity Min.	80 μA/lm
[Cathode] Luminous Sensitivity Typ.	150 μA/lm
[Cathode] Red/White Ratio (R-68) Typ.	0.2
[Cathode] Radiant Sensitivity Typ.	64 mA/W
[Anode] Luminous Sensitivity Min.	20 A/lm
[Anode] Luminous Sensitivity Typ.	80 A/lm
[Anode] Radiant Sensitivity Typ.	3.4 x 10 ⁴ A/W
[Anode] Gain Typ.	5.3 x 10 ⁵
[Anode] Dark Current (after 30min.) Typ.	3 nA
[Anode] Dark Current (after 30min.) Max.	15 nA
[Time Response] Rise Time Typ.	15 ns
[Time Response] Transit Time Typ.	60 ns

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