

Photomultiplier

XP1102

29mm (1 1/8") photodiode



Applications

- ✓ Precision photometry

Features

- ✓ Fast
- ✓ Large area detector for medium and high light level

Description

Window material	Lime glass
Photocathode	Bi-alkali
Refr. Index at 420nm	1.54

Photocathode characteristics

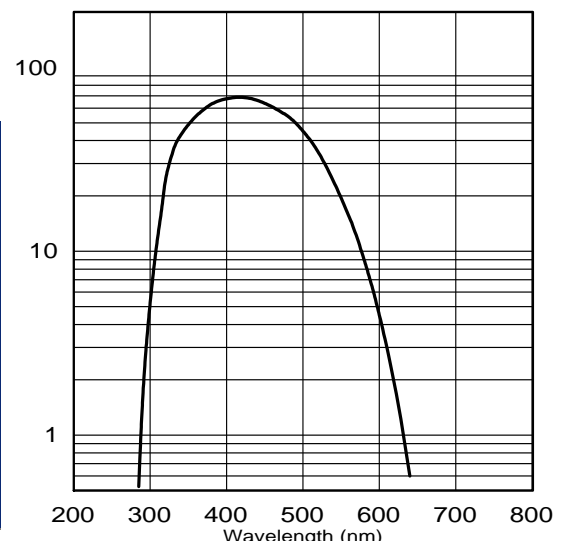
	Min	Typ	Max	Unit
Spectral range :		290-650		nm
Maximum sensitivity at :		420		nm
Sensitivity :				
Luminous :		100		$\mu\text{A/lm}$
Blue * :	7	10.5		$\mu\text{A/lmf}$
Radiant, at 420nm		80		mA/W

Operating characteristics

	Min	Typ	Max	Unit
Operating voltage *		4 to 750		V
Saturation voltage for an anode dark current of 50 nA		15		V
Anode dark current at 15V *		0.5	1	pA
Capacitance anode to cathode		3		pF

Typical spectral

Sk (mA/W)



Limiting values

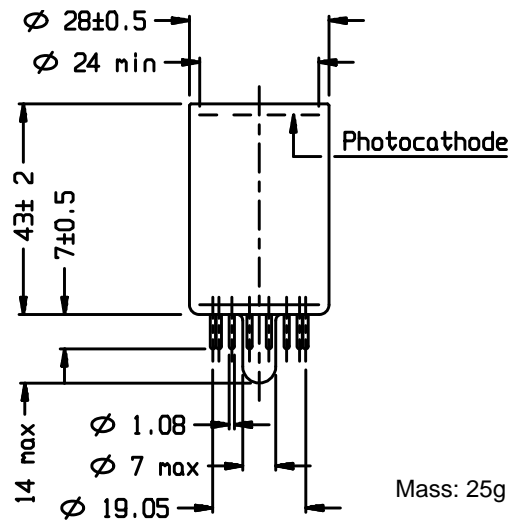
	Min	Max	Unit
Supply voltage		750	V
Cathode current density :			
Peak :		50	nA/mm^2
Average over 1s :		70	nA/mm^2
Total cathode current :			
Peak :		15	μA
Average over 1s :		20	nA
Ambient temperature range :			
Short operation (<30 mn) :	-30	+80	$^{\circ}\text{C}$
Continuous operation & storage :	-30	+50	$^{\circ}\text{C}$

* characteristic measured and mentioned on the test ticket of each tube

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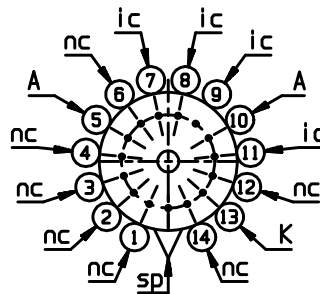
XP1102

Outline (dimensions in mm)



Mass: 25g

Accessories :
Socket : FE1114



K: cathode
A: anode

sp: short pin
ic: internal connection

nc: not connected
n: plane of symmetry of the multiplier

Variants

Also, other variants can be made. Please, contact us to discuss any specific product requirements.