



931A Photomultiplier



Range	300 to 650	nm
Peak Wavelength	400	nm
Photocathode Material	Sb-Cs	
Window Material	Borosilicate glass	
Dynode Structure / Number of Stages	CC / 9	
Anode to Cathode Voltage (maximum ratings)	1250	Vdc
Average Anode Current (maximum ratings)	0.1	mA
Anode to Cathode Supply Voltage	1000	Vdc
Cathode Sensitivity		
Min.	20	$\mu\text{A} / \text{lm}$
Typical	40	$\mu\text{A} / \text{lm}$
Blue Typical	5.0	$\mu\text{A} / \text{lm-b}$
Radiant Typical	48	$\mu\text{A} / \text{W}$

Anode Characteristics

Anode Sensitivity

Luminous		
Min.	20	A / lm
Typical	100	A / lm
Radiant Typical	1.2×10^5	A / W
Current Amplification Typical	2.5×10^6	
Anode Dark Current (after 30 min.)		
Typical	10	nA
Maximum	500	nA
Time Response		
Rise Time Typical	2.2	ns
Electron Transit Time Typical	22	ns

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