

Photosensitive devices

photomultipliers (cont.)

book 2 part 3

Type No.	Description	Photocathode		Sensitivity (A/lm)	Av. Anode Sensitivity at V _b (kV)	Cathode Sensitivity (μA/lm)	No. of Stages	Time Characteristic Rise Time (ns)
		Diameter (mm)	Surface					
XP1002	Trialkali photocathode for laser applications	44	Sodium potassium caesium antimony	400	1.8	150	10	4.0
XP2008	General purpose tube suitable for flying spot scanning, spectrometry and scintillation counting	32	Caesium antimony	200	1.8	80	10	3.5
XP2010	Low noise Intended for X and γ ray spectrometry	32	Caesium antimony	200	1.8	90	10	3.5
XP2020	Intended for applications requiring good time resolution	45	Potassium caesium antimony	—	—	—	12	1.5
*XP2230 *XP2230B	Applications requiring very high gain and short time characteristics	45	Potassium caesium antimony	—	—	—	12	0.6
XP2000 XP2030 XP2050	Venetian blind types for detection and measurement of nuclear radiation	44 68 111	Potassium caesium antimony	60 60 20	1.8 1.8 1.5	80 80 80	10 10 10	7.0 9.0 16
†XP2040	Fast time response for pulse counting with UV window	110	Caesium antimony	—	—	70	14	2.0
†XP2041	Fast time response bi-alkali cathode with UV window	110	Potassium caesium antimony	—	—	—	14	2.0
60DVP	Scintillation counting. Large size	200	Potassium caesium antimony	—	—	65	12	2.5
60DVP/H	As 60DVP but with plano-concave glass adaptor							

*XP2230 has glass base, XP2230B has Jedec B20 base.

†These types, with suffix/Q, can be supplied with a quartz adaptor (transmission down to 200nm) and a metal container.