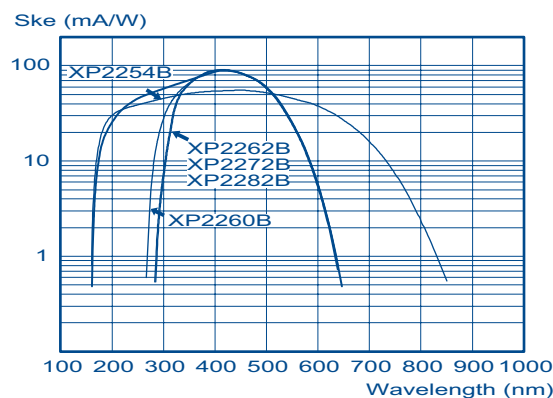


51 mm (2") tubes

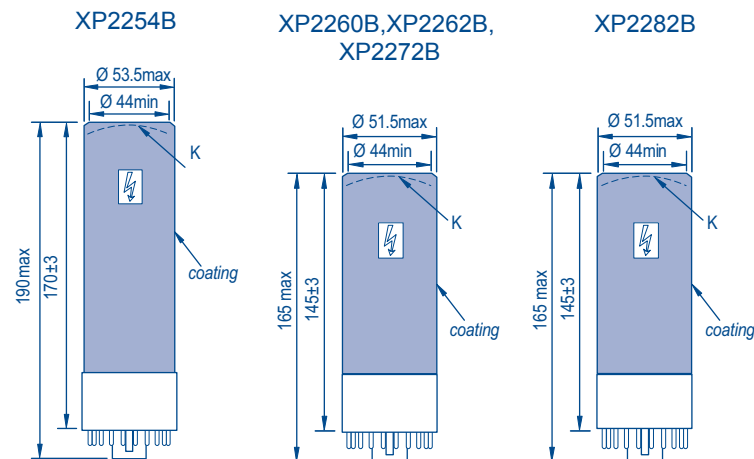
		XP2254B	XP2260B	XP2262B	XP2272B	XP2282B
Key features		very fast, UV to red sensitive	fast, high gain	fast, high gain	fast, high gain, high PHR	fast
Dynode structure / number of stages		focused/12	focused/12	focused/12	focused/12	focused/8
Cathode luminous sensitivity (μA/lm)	typ.	160	70	70	70	90
Cathode blue sensitivity (μA/lmF)	min	---	9	9	9	9
	typ.	---	11	11	11	11
Cathode radiant sensitivity (mA/W)	typ. at (nm)	15 mA/W 150 700 850	90 mA/W 270 400 650	90 mA/W 290 400 650	90 mA/W 290 400 650	90 mA/W 290 400 650
Gain	typ.	3x10 ⁷	3x10 ⁷	3x10 ⁷	3x10 ⁷	1x10 ⁸
Supply voltage	typ.	2 200	1 800	1 800	1 800	1 900
	min. (V)	1 750	1 500	1 500	1 500	1 600
	max. (V)	2 700	2 400	2 400	2 400	2 200
Anode dark current	typ. (nA)	60	10	10	10	10
	max. (nA)	1 500	---	---	---	20
Anode dark counts	typ. (cps)	---	1 000	1 000	1 000	---
	max. (cps)	---	6 000	6 000	6 000	---
Max. anode pulse current for linearity 2% (mA)		280	250	250	250	180
Time response	rise (ns)	1.5	2	2	2.7	1.5
	FWHM (ns)	2.4	3	3	4	2.2
PHR (%)		7.2	---	--	10	7.2
Maximum ratings	supply voltage (V)	3 000	2 500	2 500	2 500	3 000
	gain	2x10 ⁸	2x10 ⁸	2x10 ⁸	2x10 ⁸	5x10 ⁸
Accessories	Voltage divider	VD124K/T	VD122K	VD122K	VD122K	VD182K/C
	Socket	FE1120	FE1120	FE1120	FE1120	FE1120
	Mu-metal shields	MS172	MS172	MS172	MS172	MS172

PHR: for radiation source ¹³⁷Cs, NaI Tl scintillator, Ø 51 mm, h51 mm; for XP2272B radiation source ⁵⁷Co.
XP2254B minimum radiant sensitivity at 700nm: 7mA/W

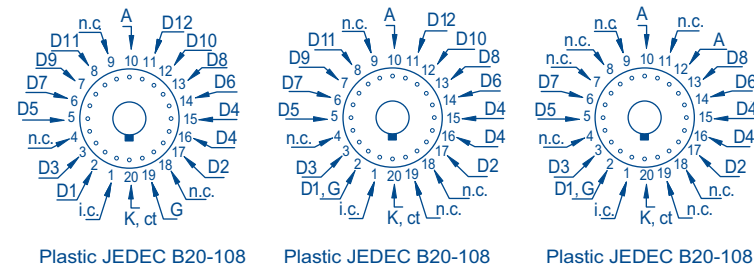
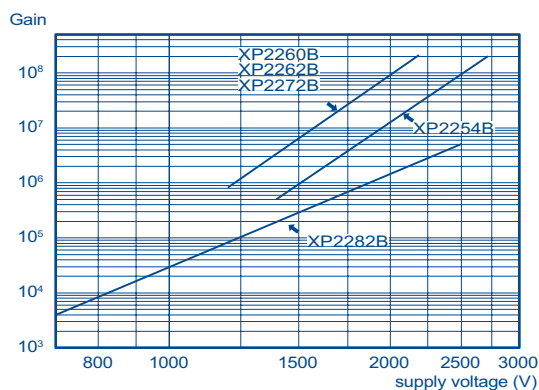
Typical spectral characteristics



Dimensions and pinning



Typical gain curves



Voltage dividers

Both anode contacts must be connected to prevent ringing of the anode pulse signal.

Tube	A divider type voltage ratios (for maximum gain)							
	K	G	D1	D2	D3	...	Dn	A
XP2254B	1.2	2.8	1.2	1.8	1	...	1	1
XP2260B, XP2262B	4		1.1	0.9	1	...	1	1
XP2272B	4		2	1	1	...	1	1
XP2282B	3		1	1	1	...	1	1