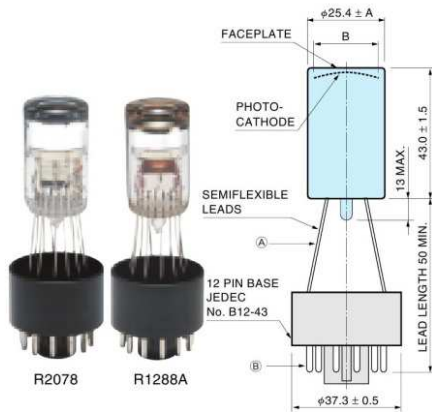


Head-on Type Photomultiplier Tubes

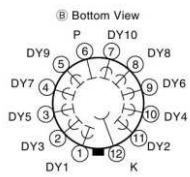
Type No.	Spectral Response				Remarks					Max. Ratings			
	Effective Area (mm)	Wavelength (nm)	Spectral Response Range (nm)	Curve Code	Peak Wavelength (nm)	Photocathode Material	Window Material	Out-line No.	Dynode Structure / Stages	Socket & Socket Assembly	Anode to Cathode Voltage (V)	Average Anode Current (mA)	Anode to Cathode Supply Voltage (V)
25 mm (1") Dia. Types													
R2078	φ21		160 to 320	201S	240	Cs-Te	Q	①	CC/10	E678-12A*	2000	0.015	1500 ⑮
R9800	φ22		300 to 650	400K	420	BA	K	②	L/8	E678-12A*	1500	0.1	1300 ⑥
R7899	φ22		300 to 650	400K	420	BA	K	③	L/10	E678-14C* ⑳	1800	0.1	1250 ⑱
R4998	φ20		300 to 650	400K	420	BA	K	④	L/10	E678-12A*	2500	0.1	2250 ㉒
R1924A	φ22		300 to 650	400K	420	BA	K	⑤	C+L/10	E678-14C* ㉑ ㉒ ㉓	1250	0.1	1000 ⑰
R3550A	φ22		300 to 650	402K	375	LBA	K	⑤	C+L/10	E678-14C* ㉑ ㉒ ㉓	1250	0.1	1000 ⑰
R1288A	φ22		300 to 650	401K	375	HBA	K	①	C+L/10	E678-12R*	1800	0.02	1500 ⑰
R1925A	φ22		300 to 850	500K	420	MA	K	⑤	C+L/10	E678-14C* ㉑ ㉒ ㉓	1250	0.1	1000 ⑰
R5070A	φ21		300 to 900	502K	420	MA	K	⑥	C+L/10	E678-14C* ㉑ ㉒ ㉓	1250	0.1	1000 ⑰

Dimensional Outlines (Unit: mm)

① R2078, R1288A

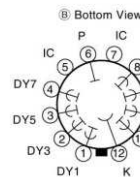
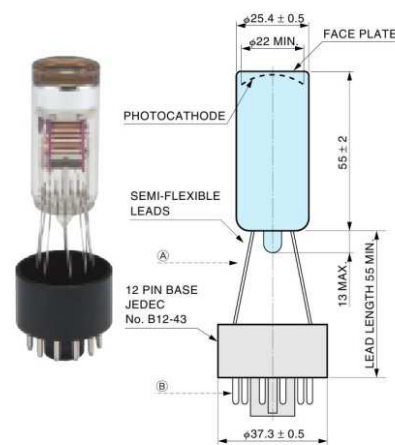


	R2078	R1288A
A	0.8	0.5
B	φ21 MIN.	φ22 MIN.



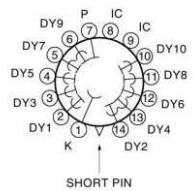
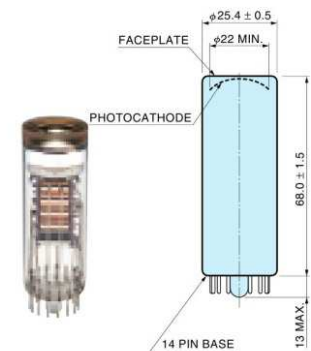
TPMHA0039EB

② R9800



TPMHA0521EC

③ R7899

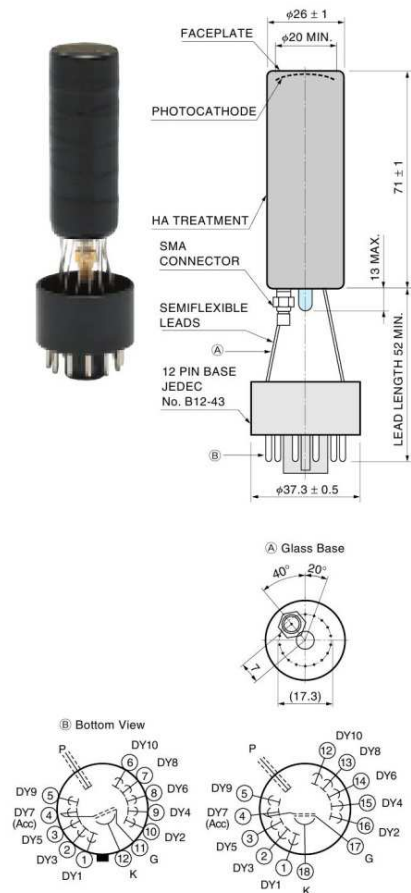


TPMHA0492EA

(at 25 °C)

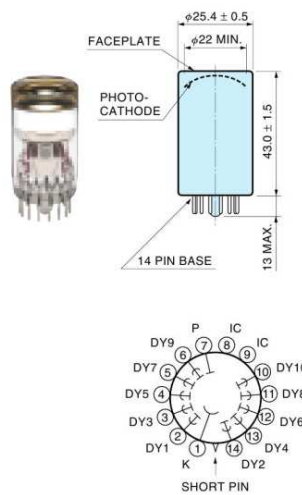
Cathode Characteristics					Anode Characteristics ^M							Notes	Type No. ^A	
Luminous		Blue Sensitivity Index (CS 5-58) Typ.	Red / White Ratio (R-68) Typ.	Radiant ^K Typ. (mA/W)	Luminous		Radiant Typ. (A/W)	Gain Typ.	Dark Current (After 30 min.)		Time Response			
Min. (μA/lm)	Typ. (μA/lm)				Min. (A/lm)	Typ. (A/lm)			Typ. (nA)	Max. (nA)	Rise Time Typ. (ns)			Transit Time Typ. (ns)
—	—	—	—	29 ^b	—	2×10^3 (A/W) ^b	1.5×10^4 ^b	5.0×10^5	0.015	0.1	1.5	14	Better solar-blind characteristics	R2078
70	95	11.0	—	88	20	100	9.3×10^4	1.1×10^6	5	50	1.0	11	UV glass type: R10560	R9800
70	95	11.0	—	88	—	190	1.8×10^5	2.0×10^6	2	15	1.6	17	Semiflexible leads: R7899-01	R7899
60	80	9.5	—	76	100	400	3.8×10^5	5.0×10^6	10	200	0.7	10	Assembly type: H6533 Silica glass window: R5320 Silica glass window assembly type: H6610	R4998
60	90	10.5	—	85	40	180	1.7×10^5	2.0×10^6	3	20	1.5	17	For photon counting: R1924P	R1924A
30	50	7.0	—	55	45	100	1.1×10^5	2.0×10^6	0.5	4	1.5	17	For photon counting: R3550P Maximum Temp.: +70 °C	R3550A
20	40	6.0	—	51	8	20	2.6×10^4	5.0×10^5	0.1	10	1.3	13	Button stem: R1288A-01 High temp. operation (Maximum Temp.: +175 °C)	R1288A
80	150	—	0.2	64	20	75	3.2×10^4	5.0×10^5	3	20	1.5	17	Silica glass window: R1926A	R1925A
130	230	—	0.25	65	20	100	2.8×10^4	4.3×10^5	3	20	2.2	19	Prism window	R5070A

4 R4998



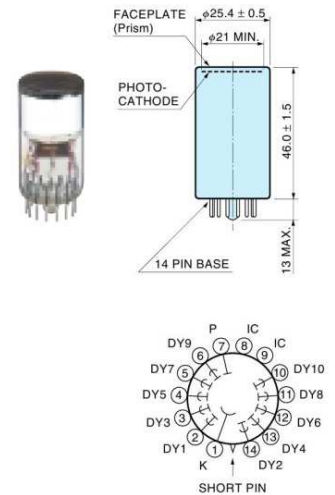
TPMHA0093ED

5 R1924A, R3550A, R1925A



TPMHA0040EC

6 R5070A



TPMHA0491EB