

PHOTOMULTIPLIER TUBE ASSEMBLY TYPE: H12700B SEL2

JEFFERSON SCIENCE ASSOC LLC

QUANTITY : 20 pcs.

Serial Number	(1) Cathode Luminous Sens.	(2) Anode Luminous Sens.	(3) Anode Dark Current	(4) Anode Dark Current	(5) Cathode Blue Sens. Index	(6) Gain	
	μ A/lm	A/lm	nA	nA		$\times 10^6$	
GA0049	74. 0	261. 0	1. 20	3. 36	11. 00	3. 53	
GA0050	67. 7	188. 0	2. 00	6. 26	10. 60	2. 78	
GA0055	84. 0	291. 0	2. 24	6. 01	11. 60	3. 46	
GA0056	82. 2	226. 0	1. 24	3. 96	11. 30	2. 75	
GA0057	86. 1	261. 0	1. 25	3. 82	11. 20	3. 03	
GA0058	99. 3	297. 0	2. 41	7. 72	11. 30	2. 99	
GA0070	73. 0	208. 0	0. 25	0. 65	11. 10	2. 85	
GA0072	85. 0	114. 0	0. 22	0. 75	11. 60	1. 34	
GA0075	91. 9	209. 0	1. 18	2. 52	11. 80	2. 27	
GA0077	93. 0	440. 0	3. 40	10. 60	11. 80	4. 73	
GA0078	112. 0	283. 0	1. 59	4. 73	13. 20	2. 53	
GA0079	97. 7	274. 0	0. 31	0. 49	12. 70	2. 80	
GA0083	99. 7	340. 0	1. 85	5. 15	12. 10	3. 41	
GA0084	94. 1	313. 0	1. 15	7. 30	11. 50	3. 33	
GA0085	95. 8	154. 0	0. 24	0. 88	12. 30	1. 61	
GA0096	115. 0	602. 0	1. 61	3. 76	12. 80	5. 23	
GA0098	115. 0	176. 0	2. 86	6. 60	13. 00	1. 53	
GA0101	107. 0	290. 0	0. 98	3. 29	12. 80	2. 71	
GA0102	99. 3	216. 0	0. 49	3. 57	12. 40	2. 18	
GA0107	95. 6	278. 0	0. 55	1. 15	12. 20	2. 91	

NOTES

(1) (2) (5) Light source: Tungsten filament lamp operated at 2856 K.

(2) (3) (6) Supply voltage: 1000 V

(2) (3) (4) (6) Voltage distribution:

K	Dy1	Dy2	Dy3	...	Dy9	Dy10	GR	P
2	1	1	1		1	1	1	0.5

Measured as one anode output by bundling all 64 anodes.

(4) Supply voltage: 1100 V

(5) Measured with a Corning CS 5-58 blue filter (half stock thickness).

(1) (2) (5) (6) Aperture size: ☐ 49 mm

Date: February 26, 2015

Approved by: *K. Nagura*

HAMAMATSU

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Anode Uniformity of H12700B

Supply Voltage : -1000 V

Light Source : W-Lamp with blue filter (DC Light)

Spot Illumination : 6 mm square on each channel

Serial No. : GA0049

Ratio of Anode Output = 1 : 1.7

P1	P2	P3	P4	P5	P6	P7	P8
67	71	76	72	69	74	69	67
P9	P10	P11	P12	P13	P14	P15	P16
69	66	70	66	61	65	66	71
P17	P18	P19	P20	P21	P22	P23	P24
72	66	66	64	60	62	67	74
P25	P26	P27	P28	P29	P30	P31	P32
75	67	67	67	62	63	69	75
P33	P34	P35	P36	P37	P38	P39	P40
76	65	67	67	64	65	70	75
P41	P42	P43	P44	P45	P46	P47	P48
74	64	65	67	65	67	71	76
P49	P50	P51	P5	P53	P54	P55	P56
70	65	68	72	68	71	72	77
P57	P58	P59	P60	P61	P62	P63	P64
81	89	94	100	94	98	94	83

Top View

Anode Uniformity of H12700B

Supply Voltage : -1000 V

Light Source : W-Lamp with blue filter (DC Light)

Spot Illumination : 6 mm square on each channel

Serial No. : GA0050

Ratio of Anode Output = 1 : 1.6

P1	P2	P3	P4	P5	P6	P7	P8
77	78	77	83	82	82	77	78
P9	P10	P11	P12	P13	P14	P15	P16
78	67	68	73	72	71	67	82
P17	P18	P19	P20	P21	P22	P23	P24
79	64	66	67	66	66	66	83
P25	P26	P27	P28	P29	P30	P31	P32
84	66	65	68	67	65	66	89
P33	P34	P35	P36	P37	P38	P39	P40
88	68	66	70	69	67	69	91
P41	P42	P43	P44	P45	P46	P47	P48
85	69	69	72	73	73	70	89
P49	P50	P51	P52	P53	P54	P55	P56
86	73	73	79	80	78	75	92
P57	P58	P59	P60	P61	P62	P63	P64
96	94	89	94	98	100	94	95

Top View

Anode Uniformity of H12700B

Supply Voltage : -1000 V

Light Source : W-Lamp with blue filter (DC Light)

Spot Illumination : 6 mm square on each channel

Serial No. : GA0055

Ratio of Anode Output = 1 : 2.0

P1	P2	P3	P4	P5	P6	P7	P8
52	64	66	67	74	71	59	49
P9	P10	P11	P12	P13	P14	P15	P16
54	58	60	62	64	62	57	53
P17	P18	P19	P20	P21	P22	P23	P24
62	61	61	64	61	61	59	54
P25	P26	P27	P28	P29	P30	P31	P32
66	62	62	65	62	61	60	54
P33	P34	P35	P36	P37	P38	P39	P40
67	63	63	61	60	62	60	55
P41	P42	P43	P44	P45	P46	P47	P48
66	64	62	64	61	63	63	59
P49	P50	P51	P5	P53	P54	P55	P56
67	64	65	68	66	65	66	64
P57	P58	P59	P60	P61	P62	P63	P64
78	90	93	97	97	100	90	73

Top View

Anode Uniformity of H12700B

Supply Voltage : -1000 V

Light Source : W-Lamp with blue filter (DC Light)

Spot Illumination : 6 mm square on each channel

Serial No. : GA0056

Ratio of Anode Output = 1 : 1.5

P1	P2	P3	P4	P5	P6	P7	P8
77	77	81	93	88	92	92	78
P9	P10	P11	P12	P13	P14	P15	P16
81	72	74	81	75	78	81	81
P17	P18	P19	P20	P21	P22	P23	P24
82	70	67	72	69	72	74	77
P25	P26	P27	P28	P29	P30	P31	P32
85	69	65	70	69	70	74	77
P33	P34	P35	P36	P37	P38	P39	P40
88	72	66	71	72	71	75	79
P41	P42	P43	P44	P45	P46	P47	P48
87	73	69	72	72	76	79	78
P49	P50	P51	P5	P53	P54	P55	P56
85	75	74	79	77	75	78	77
P57	P58	P59	P60	P61	P62	P63	P64
93	90	89	96	100	94	93	83

Top View

Anode Uniformity of H12700B

Supply Voltage : -1000 V

Light Source : W-Lamp with blue filter (DC Light)

Spot Illumination : 6 mm square on each channel

Serial No. : GA0057

Ratio of Anode Output = 1 : 1.6

P1	P2	P3	P4	P5	P6	P7	P8
77	94	100	99	94	100	94	79
P9	P10	P11	P12	P13	P14	P15	P16
79	85	90	89	82	84	85	83
P17	P18	P19	P20	P21	P22	P23	P24
80	83	86	84	79	80	82	80
P25	P26	P27	P28	P29	P30	P31	P32
77	77	81	80	77	75	76	76
P33	P34	P35	P36	P37	P38	P39	P40
72	72	74	74	73	72	73	75
P41	P42	P43	P44	P45	P46	P47	P48
68	68	69	67	66	70	73	73
P49	P50	P51	P5	P53	P54	P55	P56
64	63	67	63	63	66	68	71
P57	P58	P59	P60	P61	P62	P63	P64
69	74	74	73	75	81	78	69

Top View

Anode Uniformity of H12700B

Supply Voltage : -1000 V

Light Source : W-Lamp with blue filter (DC Light)

Spot Illumination : 6 mm square on each channel

Serial No. : GA0058

Ratio of Anode Output = 1 : 2.0

P1	P2	P3	P4	P5	P6	P7	P8
78	86	77	83	100	100	93	81
P9	P10	P11	P12	P13	P14	P15	P16
72	64	59	62	71	74	79	83
P17	P18	P19	P20	P21	P22	P23	P24
67	60	59	61	69	73	76	86
P25	P26	P27	P28	P29	P30	P31	P32
54	50	57	60	65	63	69	86
P33	P34	P35	P36	P37	P38	P39	P40
58	56	56	56	63	65	69	83
P41	P42	P43	P44	P45	P46	P47	P48
62	54	54	56	59	61	67	78
P49	P50	P51	P5	P53	P54	P55	P56
58	54	53	54	57	62	65	74
P57	P58	P59	P60	P61	P62	P63	P64
64	72	69	72	80	60	80	76

Top View

Anode Uniformity of H12700B

Supply Voltage : -1000 V

Light Source : W-Lamp with blue filter (DC Light)

Spot Illumination : 6 mm square on each channel

Serial No. : GA0070

Ratio of Anode Output = 1 : 2.2

P1	P2	P3	P4	P5	P6	P7	P8
90	84	87	91	90	100	69	45
P9	P10	P11	P12	P13	P14	P15	P16
97	82	87	90	86	92	89	83
P17	P18	P19	P20	P21	P22	P23	P24
96	80	81	82	82	86	93	89
P25	P26	P27	P28	P29	P30	P31	P32
93	79	77	73	77	82	86	84
P33	P34	P35	P36	P37	P38	P39	P40
90	77	73	73	76	79	82	81
P41	P42	P43	P44	P45	P46	P47	P48
85	75	75	75	75	77	84	84
P49	P50	P51	P52	P53	P54	P55	P56
82	70	73	73	74	77	83	86
P57	P58	P59	P60	P61	P62	P63	P64
88	80	84	87	89	100	98	83

Top View

Anode Uniformity of H12700B

Supply Voltage : -1000 V

Light Source : W-Lamp with blue filter (DC Light)

Spot Illumination : 6 mm square on each channel

Serial No. : GA0072

Ratio of Anode Output = 1 : 2.0

P1	P2	P3	P4	P5	P6	P7	P8
51	62	67	73	71	75	75	65
P9	P10	P11	P12	P13	P14	P15	P16
57	62	67	71	71	81	85	86
P17	P18	P19	P20	P21	P22	P23	P24
62	60	61	64	67	83	93	90
P25	P26	P27	P28	P29	P30	P31	P32
64	60	58	64	72	85	98	95
P33	P34	P35	P36	P37	P38	P39	P40
65	59	56	63	71	83	100	97
P41	P42	P43	P44	P45	P46	P47	P48
65	59	56	62	68	78	97	93
P49	P50	P51	P5	P53	P54	P55	P56
62	57	55	58	64	70	87	89
P57	P58	P59	P60	P61	P62	P63	P64
60	61	60	61	66	68	80	78

Top View

Anode Uniformity of H12700B

Supply Voltage : -1000 V

Light Source : W-Lamp with blue filter (DC Light)

Spot Illumination : 6 mm square on each channel

Serial No. : GA0075

Ratio of Anode Output = 1 : 2.3

P1	P2	P3	P4	P5	P6	P7	P8
78	87	91	89	92	100	93	77
P9	P10	P11	P12	P13	P14	P15	P16
81	76	79	80	82	86	86	87
P17	P18	P19	P20	P21	P22	P23	P24
78	68	67	71	73	75	83	83
P25	P26	P27	P28	P29	P30	P31	P32
75	63	61	63	67	69	70	79
P33	P34	P35	P36	P37	P38	P39	P40
69	55	55	57	61	63	67	75
P41	P42	P43	P44	P45	P46	P47	P48
65	49	49	52	54	60	66	70
P49	P50	P51	P5	P53	P54	P55	P56
59	43	43	46	51	55	60	68
P57	P58	P59	P60	P61	P62	P63	P64
60	51	50	54	64	72	73	72

Top View

Anode Uniformity of H12700B

Supply Voltage : -1000 V

Light Source : W-Lamp with blue filter (DC Light)

Spot Illumination : 6 mm square on each channel

Serial No. : GA0077

Ratio of Anode Output = 1 : 1.6

P1	P2	P3	P4	P5	P6	P7	P8
90	94	89	90	97	92	84	66
P9	P10	P11	P12	P13	P14	P15	P16
97	86	85	72	82	81	81	82
P17	P18	P19	P20	P21	P22	P23	P24
100	74	61	77	78	77	76	77
P25	P26	P27	P28	P29	P30	P31	P32
95	78	70	73	77	70	73	72
P33	P34	P35	P36	P37	P38	P39	P40
89	71	70	68	71	66	71	73
P41	P42	P43	P44	P45	P46	P47	P48
85	68	66	71	71	69	72	72
P49	P50	P51	P52	P53	P54	P55	P56
83	71	74	77	77	71	73	72
P57	P58	P59	P60	P61	P62	P63	P64
90	92	96	97	97	89	84	67

Top View

Anode Uniformity of H12700B

Supply Voltage : -1000 V

Light Source : W-Lamp with blue filter (DC Light)

Spot Illumination : 6 mm square on each channel

Serial No. : GA0078

Ratio of Anode Output = 1 : 1.7

P1	P2	P3	P4	P5	P6	P7	P8
64	76	84	94	92	99	94	87
P9	P10	P11	P12	P13	P14	P15	P16
74	75	79	83	83	90	89	100
P17	P18	P19	P20	P21	P22	P23	P24
73	72	73	76	77	83	86	98
P25	P26	P27	P28	P29	P30	P31	P32
73	73	73	74	73	78	77	94
P33	P34	P35	P36	P37	P38	P39	P40
71	71	71	73	71	74	73	90
P41	P42	P43	P44	P45	P46	P47	P48
66	67	68	71	72	75	75	91
P49	P50	P51	P5	P53	P54	P55	P56
60	62	65	70	73	77	76	88
P57	P58	P59	P60	P61	P62	P63	P64
59	73	75	82	89	94	92	92

Top View

Anode Uniformity of H12700B

Supply Voltage : -1000 V

Light Source : W-Lamp with blue filter (DC Light)

Spot Illumination : 6 mm square on each channel

Serial No. : GA0079

Ratio of Anode Output = 1 : 2.1

P1	P2	P3	P4	P5	P6	P7	P8
81	91	93	97	90	100	89	62
P9	P10	P11	P12	P13	P14	P15	P16
82	81	84	85	78	81	79	71
P17	P18	P19	P20	P21	P22	P23	P24
83	79	78	79	70	76	77	68
P25	P26	P27	P28	P29	P30	P31	P32
81	79	79	77	69	71	69	64
P33	P34	P35	P36	P37	P38	P39	P40
79	75	75	74	67	68	66	57
P41	P42	P43	P44	P45	P46	P47	P48
74	71	72	71	64	64	64	49
P49	P50	P51	P5	P53	P54	P55	P56
67	64	68	66	60	57	60	53
P57	P58	P59	P60	P61	P62	P63	P64
68	72	74	74	68	67	67	52

Top View

Anode Uniformity of H12700B

Supply Voltage : -1000 V

Light Source : W-Lamp with blue filter (DC Light)

Spot Illumination : 6 mm square on each channel

Serial No. : GA0083

Ratio of Anode Output = 1 : 1.9

P1	P2	P3	P4	P5	P6	P7	P8
74	83	85	82	80	68	66	53
P9	P10	P11	P12	P13	P14	P15	P16
76	73	73	74	73	69	61	56
P17	P18	P19	P20	P21	P22	P23	P24
78	71	69	70	67	64	62	55
P25	P26	P27	P28	P29	P30	P31	P32
78	70	67	66	66	64	60	52
P33	P34	P35	P36	P37	P38	P39	P40
78	69	67	61	67	64	59	52
P41	P42	P43	P44	P45	P46	P47	P48
82	71	71	68	70	68	65	54
P49	P50	P51	P5	P53	P54	P55	P56
83	75	76	76	78	71	66	55
P57	P58	P59	P60	P61	P62	P63	P64
92	99	93	94	100	94	78	59

Top View

Anode Uniformity of H12700B

Supply Voltage : -1000 V

Light Source : W-Lamp with blue filter (DC Light)

Spot Illumination : 6 mm square on each channel

Serial No. : GA0084

Ratio of Anode Output = 1 : 1.6

P1	P2	P3	P4	P5	P6	P7	P8
64	90	96	92	88	84	76	63
P9	P10	P11	P12	P13	P14	P15	P16
64	76	83	82	79	73	70	72
P17	P18	P19	P20	P21	P22	P23	P24
68	76	82	82	77	69	66	71
P25	P26	P27	P28	P29	P30	P31	P32
71	79	85	84	79	71	66	69
P33	P34	P35	P36	P37	P38	P39	P40
72	78	85	84	81	72	67	68
P41	P42	P43	P44	P45	P46	P47	P48
74	78	81	84	73	71	69	69
P49	P50	P51	P5	P53	P54	P55	P56
72	77	80	79	76	70	68	69
P57	P58	P59	P60	P61	P62	P63	P64
81	98	100	95	93	90	84	71

Top View

Anode Uniformity of H12700B

Supply Voltage : -1000 V

Light Source : W-Lamp with blue filter (DC Light)

Spot Illumination : 6 mm square on each channel

Serial No. : GA0085

Ratio of Anode Output = 1 : 2.4

P1	P2	P3	P4	P5	P6	P7	P8
41	47	51	49	48	56	54	50
P9	P10	P11	P12	P13	P14	P15	P16
48	49	55	54	53	58	58	60
P17	P18	P19	P20	P21	P22	P23	P24
57	56	60	60	59	65	69	72
P25	P26	P27	P28	P29	P30	P31	P32
64	63	66	67	68	73	76	80
P33	P34	P35	P36	P37	P38	P39	P40
69	68	71	71	75	79	83	86
P41	P42	P43	P44	P45	P46	P47	P48
73	71	73	75	77	84	89	89
P49	P50	P51	P5	P53	P54	P55	P56
72	71	77	80	81	85	90	89
P57	P58	P59	P60	P61	P62	P63	P64
79	89	89	91	95	100	97	86

Top View

Anode Uniformity of H12700B

Supply Voltage : -1000 V

Light Source : W-Lamp with blue filter (DC Light)

Spot Illumination : 6 mm square on each channel

Serial No. : GA0096

Ratio of Anode Output = 1 : 2.0

P1	P2	P3	P4	P5	P6	P7	P8
72	78	79	82	84	77	73	51
P9	P10	P11	P12	P13	P14	P15	P16
82	77	76	81	85	79	76	67
P17	P18	P19	P20	P21	P22	P23	P24
80	74	74	77	81	74	71	63
P25	P26	P27	P28	P29	P30	P31	P32
79	72	72	72	77	71	68	62
P33	P34	P35	P36	P37	P38	P39	P40
80	73	72	72	77	72	70	63
P41	P42	P43	P44	P45	P46	P47	P48
84	77	75	79	82	78	78	67
P49	P50	P51	P5	P53	P54	P55	P56
88	82	81	83	88	82	84	71
P57	P58	P59	P60	P61	P62	P63	P64
95	95	92	93	100	92	89	66

Top View

Anode Uniformity of H12700B

Supply Voltage : -1000 V

Light Source : W-Lamp with blue filter (DC Light)

Spot Illumination : 6 mm square on each channel

Serial No. : GA0098

Ratio of Anode Output = 1 : 2.0

P1	P2	P3	P4	P5	P6	P7	P8
58	64	65	67	70	76	78	68
P9	P10	P11	P12	P13	P14	P15	P16
57	54	59	62	63	71	75	77
P17	P18	P19	P20	P21	P22	P23	P24
56	50	53	55	59	70	78	76
P25	P26	P27	P28	P29	P30	P31	P32
57	52	53	55	61	71	77	77
P33	P34	P35	P36	P37	P38	P39	P40
57	54	55	58	64	73	79	80
P41	P42	P43	P44	P45	P46	P47	P48
57	54	57	60	66	76	83	83
P49	P50	P51	P5	P53	P54	P55	P56
56	53	57	60	67	77	82	84
P57	P58	P59	P60	P61	P62	P63	P64
63	71	75	81	88	100	95	87

Top View

Anode Uniformity of H12700B

Supply Voltage : -1000 V

Light Source : W-Lamp with blue filter (DC Light)

Spot Illumination : 6 mm square on each channel

Serial No. : GA0101

Ratio of Anode Output = 1 : 1.6

P1	P2	P3	P4	P5	P6	P7	P8
62	71	80	86	95	99	96	81
P9	P10	P11	P12	P13	P14	P15	P16
71	71	80	84	91	96	99	96
P17	P18	P19	P20	P21	P22	P23	P24
73	71	77	80	86	92	100	96
P25	P26	P27	P28	P29	P30	P31	P32
77	71	76	81	85	90	99	98
P33	P34	P35	P36	P37	P38	P39	P40
76	70	75	78	83	89	98	98
P41	P42	P43	P44	P45	P46	P47	P48
72	68	74	76	80	87	96	94
P49	P50	P51	P5	P53	P54	P55	P56
68	66	72	74	79	82	91	90
P57	P58	P59	P60	P61	P62	P63	P64
70	78	81	80	86	87	94	83

Top View

Anode Uniformity of H12700B

Supply Voltage : -1000 V

Light Source : W-Lamp with blue filter (DC Light)

Spot Illumination : 6 mm square on each channel

Serial No. : GA0102

Ratio of Anode Output = 1 : 2.0

P1	P2	P3	P4	P5	P6	P7	P8
76	66	64	70	78	72	66	50
P9	P10	P11	P12	P13	P14	P15	P16
74	64	63	71	76	72	66	52
P17	P18	P19	P20	P21	P22	P23	P24
68	61	60	66	71	70	64	51
P25	P26	P27	P28	P29	P30	P31	P32
66	58	57	56	61	67	62	50
P33	P34	P35	P36	P37	P38	P39	P40
66	57	57	60	65	68	64	53
P41	P42	P43	P44	P45	P46	P47	P48
63	59	61	66	70	73	70	55
P49	P50	P51	P5	P53	P54	P55	P56
65	61	65	73	78	78	73	59
P57	P58	P59	P60	P61	P62	P63	P64
76	79	84	91	100	97	87	66

Top View

Anode Uniformity of H12700B

Supply Voltage : -1000 V

Light Source : W-Lamp with blue filter (DC Light)

Spot Illumination : 6 mm square on each channel

Serial No. : GA0107

Ratio of Anode Output = 1 : 1.8

P1	P2	P3	P4	P5	P6	P7	P8
55	74	75	81	91	100	95	71
P9	P10	P11	P12	P13	P14	P15	P16
69	70	74	80	83	91	94	82
P17	P18	P19	P20	P21	P22	P23	P24
73	70	72	75	79	87	91	81
P25	P26	P27	P28	P29	P30	P31	P32
74	70	71	75	79	83	87	79
P33	P34	P35	P36	P37	P38	P39	P40
73	70	71	73	76	80	84	76
P41	P42	P43	P44	P45	P46	P47	P48
69	68	70	70	73	80	84	73
P49	P50	P51	P52	P53	P54	P55	P56
65	63	65	68	72	76	77	67
P57	P58	P59	P60	P61	P62	P63	P64
66	67	68	70	79	78	79	60

Top View

FLAT PANEL TYPE MULTIANODE PHOTOMULTIPLIER TUBE ASSEMBLY

H12700 SERIES

《HANDLING PRECAUTION》

【Take sufficient care to avoid electrical shock】



Warning

Negative high voltage is applied to the photomultiplier tube assembly and the metal side wall. Although the side wall is protected by the insulating tape, always provide adequate safety measures to prevent the operator or service personnel from receiving an electrical shock or equipment from being damaged.

【Handle the tube assemblies with extreme care】



Warning

Photomultiplier tubes are vacuum devices. Allowing the glass or the side wall to be scratched or subjected to shock can cause cracks. Use the screw hole located on the back side of the device for fixing the products position. If the side wall must be used to fix the position, pressure should be applied to the entire surface of the wall. Avoid any pressure applied locally (such as set screws). The connector pins can be damaged if they are bent. Connectors should be aligned as carefully as possible. Remove connectors gradually to avoid any force perpendicular to the pins. Do not modify any part of the product.

【Keep faceplate and connectors clean】

Do not touch the faceplate or the connectors with bare hands. Dirt and fingerprints on the faceplate can cause loss of optical transmittance and dirt or grime on the connectors may cause ohmic leakage. Should they become soiled, clean using alcohol.

【Do not expose to strong light】

Do not expose the photocathode of the photomultiplier tubes to excessive light such as sunlight. If exposed, noise will increase and photocathode sensitivity will deteriorate. No light shield is installed to the back side of the product, therefore, it is possible for light to penetrate from the back which may reach to the photocathode causing an increase in noise as background. Apply a light shield if needed.

【Helium permeation through glass bulb】

Helium will permeate through glass bulbs and increase noise, leading to damage that makes photomultiplier tubes (PMTs) unusable.

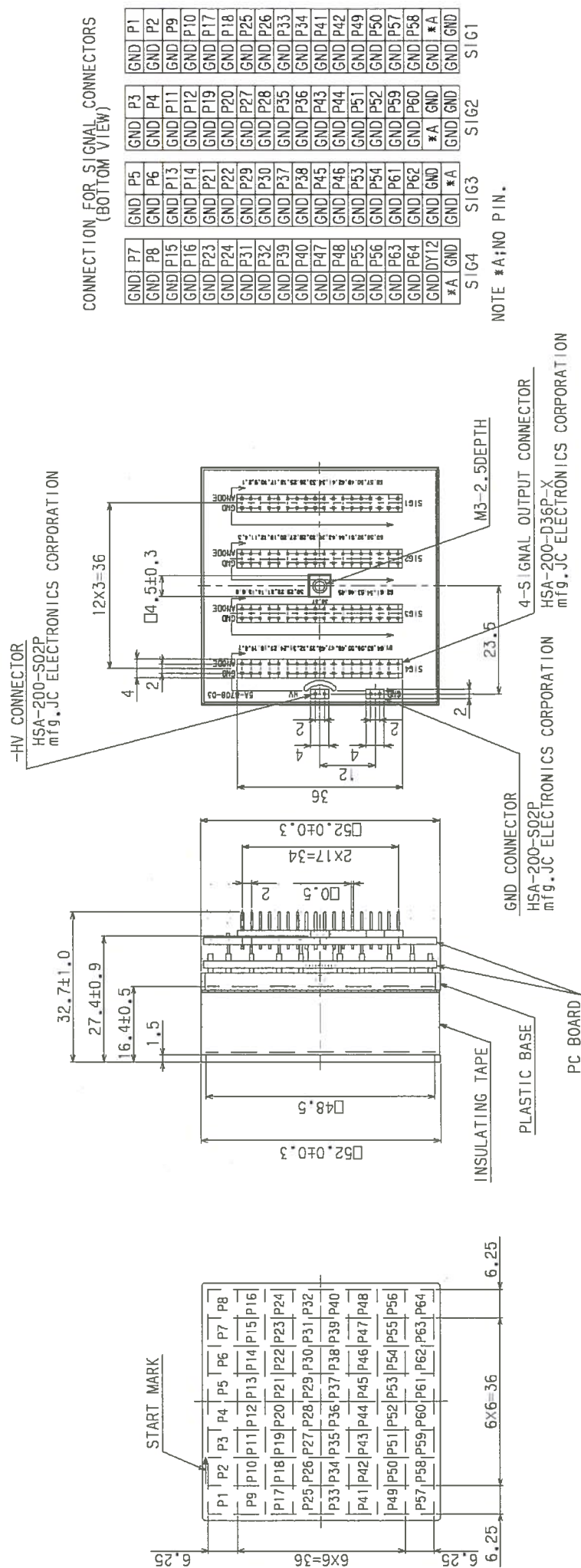
To avoid operation or storage in an atmosphere where helium is present, it's recommended that PMTs should be kept in a desiccator while filling it with nitrogen.

【Cautions for Storage and Disposal】

Storage temperature range: -15 °C to +50 °C

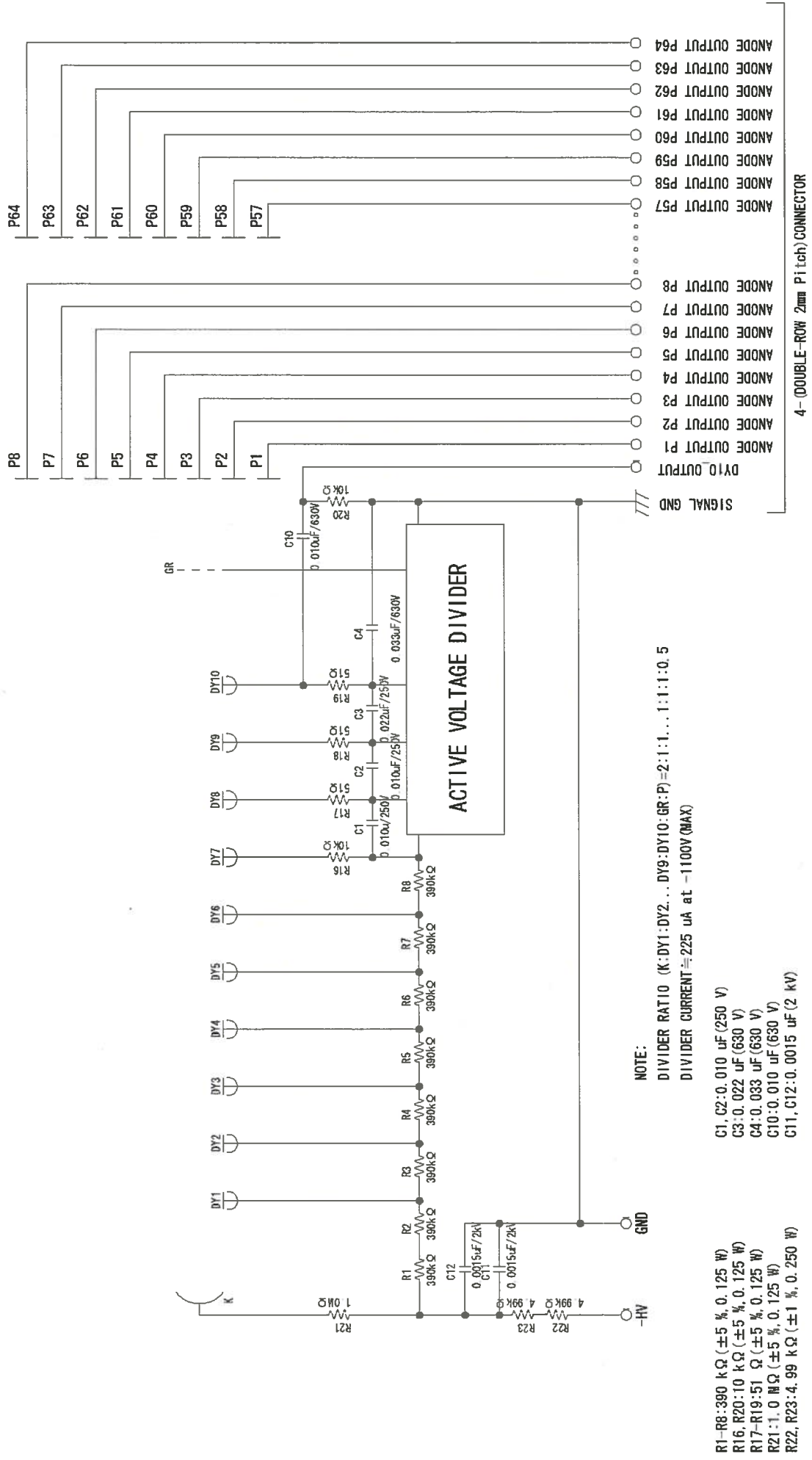
Recommended storage humidity range: less than 60 % (No condensation)

The material in H12700 contains lead. Please follow the applicable regulations regarding disposal of hazardous materials and industrial wastes in your country, state, region, or province.



UNIT: 300

DIMENSIONAL OUTLINE



VOLTAGE DIVIDER CIRCUIT H12700B, H12700B-03