END WINDOW TUBES

TYPE NO.	Application	Filling	Operating Voltage D.C.	Plateau	Slope Plateau	Dead Time (Approx. μ sec.)
100 HB	Beta	Helium + organic quenching agent	1300	in excess of 250 volts	1.5% per 100 volts	150
200 HB	Alpha & Beta	Helium + organic quenching agent	1300	in excess of 250 volts	1.5% per 100 volts	150
100 LB	Beta & Gamma	Neon, argon + halogen quench	arbitrary within plateau range	450-750 volts	1% avg. 2% max. per 100 volts	250
200 LB	Alpha, Beta & Gamma	Neon, argon + halogen quench	arbitrary within plateau range	450-750 volts	1% avg. 2% max. per volt	250
120 C	Beta & X-Ray	Argon + halogen quench	1200	in excess of 300 volts	5% to 10% per 100 volts	300
120 N	Beta	Neon + halogen quench	900	in excess of 200 volts	5% to 10% per 100 volts	300
120 NB	Beta	Neon + halogen quench	900⑦	in exces of 200 volts	5% to 10% per 100 volts	300
150 N	Beta & Gamma	Neon + halogen quench	900	in excess of 180 volts	10% 100 volts max.	150
150 NB	Beta & Gamma	Neon + halogen quench	900	in excess of 180 volts	10% 100 volts max.	150
153 C	Beta & Gamma	Argon + halogen quench	1500	in excess of 400 volts	3% to 8% per 100 volts	150
155 N	Beta & Gamma	Neon + halogen quench	arbitrary within plateau range	in excess of 180 volts	10% per 100 volts max.	150
100 C	Beta & X-Ray	Argon + halogen quench	1200	in excess of 300 volts	5% to 10% per 100 volts	200
100 CB	Beta & X-Ray	Argon + halogen quench	1200	in excess of 300 volts	5% to 10% per 100 volts	200
100 N	Beta	Neon + halogen quench	900⑦	in excess of 200 volts	5% to 10% per 100 volts	200
200 NB	Alpha & Beta	Neon + halogen quench	900	in excess of 200 volts	5% to 10% per 100 volts	200
100 NB	Beta	Neon + halogen quench	900⑦	in excess of 200 volts	5% to 10% per 100 volts	200
240 N	X-Ray	Neon + halogen quench	850-900	in excess of 150 volts	Less than 15% per 100 volts	100
18504	Beta, Gamma	Neon, argon + halogen quench	arbitrary within plateau range	425-650 volts	0.01%/volt avg. 0.02%/volt max⑩	100
18505	Alpha, Beta, Gamma	Neon, argon + halogen quench	arbitrary within plateau range	450-700 volts	0.01%/volt avg. 0.02%/volt max⑩	200
18506	Beta, Gamma	Neon, argon + halogen quench	arbitrary within plateau range	470-800 volts	0.01%/volt avg. 0.02%/volt max⑩	250
18515	Beta	Neon, argon + halogen quench	550	450-650 volts	3% per 100 volts	70
18516	Beta	Neon, argon + halogen quench	550	450-650 volts	3% per 100 volts	100
18526	Alpha, Beta, Gamma	Neon, argon + halogen quench	arbitrary within plateau range	450-750 volts	2%/100 volts	200
18536	Beta	Neon, argon + halogen quench	arbitrary within plateau range	500-750 volts	3%/100 volts	70
18546	Beta	Neon, argon + halogen quench	arbitrary within plateau range	700-1000 volts	3%/100 volts	30 μsec.

THIN WALL TUBES

75N-7	Gamma	Neon + halogen quench	700⑦	in excess of 125 volts	15% per 100 volts max.	100
75NB3-7	Gamma	Neon + halogen quench	700⑦	in excess of 125 volts	15% per 100 volts max.	100
75NB3-9	Gamma	Neon + halogen quench	825	in excess of 125 volts	15%/100 volts max.	100
76NB3	Gamma	Neon + halogen quench	arbitrary within plateau range	in excess of 125 volts	15% per 100 volts max.	100
90NB-3					Same as 90NB-4 except for 3-pin base	
90NB-4	Beta & Gamma	Neon + halogen quench	900⑦	in excess of 200 volts	10% per 100 volts max.	100
912NB-4⑨	Beta & Gamma	Neon + halogen quench	900	in excess of 200 volts	10% per 100 volts max.	100
18503	Gamma	Neon, argon + halogen quench	arbitrary within plateau range	400-600 volts	0.01%/volt avg. 0.02%/volt max⑩	100
18509⑤	Gamma	Neon, argon + halogen quench	arbitrary within plateau range	400-550 volts	0.07%/volt avg. 0.15%/volt max⑩	60
18522	Large Volume Gamma or Cosmic Ray use.	Neon, argon + halogen quench	arbitrary within plateau range	700-1000 volts	3%/100 volts	500
18259⑦	Gamma	Neon, argon + halogen quench	arbitrary within plateau range	500-650 volts	25%/100 volts max.	
18550⑥	Beta, Gamma	Neon, argon + halogen quench	arbitrary within plateau range	500-650 volts	0.04%/volt max⑩	75

RADIATION COUNTER TUBES

Background C/M (Shielded 2π Lead)	Average Mica Window or Wall Thickness	Effective Dia. of Mica Window (Inches)	Effective Cathode Dimensions (Inches)	Max. Overall Tube Dimensions (Inches)	TYPE NO.
50 max.	.0005 in. = 3.5 mg/cm²=12.70 microns	1.093	1.5 x 1.187 O.D. x 0.093 wall	1.375 x 4.344 (4 pin base)	100 HB
50 max.	.0002 in. = 1.4 mg/cm²=5.08 microns	1.093	1.5 x 1.187 O.D. x 0.093 wall	1.375 x 4.343 (4 pin base)	200 HB
25 max.	2.5-3.5 mg/cm²	1.093	1.42 x 1.5 O.D. x 0.051 wall	1.312 x 4.344 (4 pin base)	100 LB
25 max.	1.4-2.0 mg/cm²	1.093	1.42 x 1.5 O.D. x 0.051 wall	1.937 x 4.344 (4 pin base)	200 LB
100 max.	.0008 in. = 5.6 mg/cm²=20.32 microns	1.906	2.687 x 2 O.D. x 0.078 wall	2.375 x 5.125	120 C
100 max.	.0008 in. = 5.6 mg/cm²=20.32 microns	1.906	2.687 x 2 O.D. x 0.078 wall	2.375 x 5.125	120 N
100 max.	.0008 in. = 5.6 mg/cm²=20.32 microns	1.906	2.687 x 2 O.D. x 0.078 wall	2.312 x 5.75 (4 pin base)	120 NB
75 max.	.0005 in. = 3.5 mg/cm²=12.70 microns	0.781	4.375 x 0.875 O.D. x 0.046 wall	1 x 6.625 (4 pin base)	150 N
75 max.	.0005 in. = 3.5 mg/cm²=12.70 microns	0.781	4.375 x 0.875 O.D. x 0.046 wall	1.156 x 7.125	150 NB
60 max.	.0005 in. = 3.5 mg/cm²=12.70 microns	0.781	4.375 x 0.875 x 0.047 wall	1 O.D. x 6 lg.	153 C
75	1.4-2.0 mg/cm²	0.950	4.375 x 0.875 O.D. x 0.046 wall	0.937 x 6	155 N
50 max.	.0005 in. = 3.5 mg/cm²=12.70 microns	1.093	1.5 x 1.187 O.D. x 0.093 wall	1.5 x 3.75	100 C
50 max.	.0005 in. = 3.5 mg/cm²=12.70 microns	1.093	1.5 x 1.187 O.D. x 0.093 wall	1.375 x 4.344 (4 pin base)	100 CB
50 max.	.0005 in. = 3.5 mg/cm²=12.70 microns	1.093	1.5 x 1.187 O.D. x 0.093 wall	1.5 x 3.75	100 N
50 max.	.0002 in. = 1.4 mg./cm² = 5.08 microns	1.093	1.5 x 1.187 O.D. x 0.0.093 wall	1.375 x 4.344 (4 pin base)	200 NB
50 max.	.0005 in. = 3.5 mg/cm²=12.70 microns	1.093	1.5 x 1.187 O.D. x 0.093 wall	1.375 x 4.344 (4 pin base)	100 NB
50 max.	.0002 in. = 1.4 mg/cm²=5.08 microns	0.406	4 x 0.625 O.D. x 0.010 wall	0.625 x 5.875 (3 pin base)	240 N
10 max.	2-3 mg/cm²	0.35	1.57 x 0.57 I.D. x 250 mg/cm²	0.594 x 1.687	18504
15 max.	1.5-2 mg/cm²	0.78	1.422 x 0.781 I.D. x 0.047 wall	1.015 x 2.25	18505
25 max.	2.5-3.5 mg/cm²	1.09	1.422 x 1.094 I.D. x 0.05 wall	1.344 x 2.25	18506
5 max ②	1.5-2.0 mg/cm²	0.781	0.5 x 0.781 O.D. x 0.046 wall	1.031 x 1.281	18515
8 max ②	10 mg/cm²	1.093	0.718 x 1.093 I.D. x 0.062 wall	1.344 x 1.468	18516
20	1.5-2 mg/cm²	1.09	1.46 x 1.1 I.D.	2.249 x 1.217 O.D.	18526
10	1.5-2 mg/cm²	1.09	1.09 I.D. x 0.67	1.339 x 1.339 O.D.	18536
50	10 mg/cm²	2.00	1.102 x 2.007 I.D.	1.930 x 2.284 O.D.	18546
50 max.	150 mg/cm²	—	2.687 x 0.625 O.D. x 0.009 wall	0.625 x 4.375	75N-7
50 max.	150 mg/cm²	—	2.687 x 0.625 O.D. x 0.009 wall	0.625 x 4.312 (3 pin base)	75NB3-7
50 max.	0.009 inches	—	x 0.009 wall 2.687 x 0.625 O.D.	4.31 x 0.62 O.D.	75NB3-9
50	0.009 inches	—	5.812 x 0.605 I.D. x 0.009 wall	0.625 x 7.531	76NB3
					90NB-3
50 max.	30-40 mg/cm²	—	3 x 0.625 O.D.	0.625 O.D. x 5.625	90NB-4
75 max.	30-40 mg/cm²	—	7 x 0.625 O.D.	0.625 x 11.781 (4 pin base)	912NB-4 ①
10 max.	250 mg/cm²	—	1.57 x 0.57 I.D. x 250 mg/cm²	0.594 x 1.687	18503
2 max.	80-100 mg/cm²	—	.63 x 0.197 O.D. x 80-100 mg/cm²	0.281 x 1.5	18509 ③
100 c/hr.	0.020 inches	—	15.8 x 1.54 O.D.	18.1 x 1.614 O.D.	18522
1	80-100 mg/cm²	—	0.328 x 0.187 I.D. x 80-100 mg/cm²	1.062 x 0.203	18259 ⑦
5 max.	36 ± 4 mg/cm²	—	1.062 x 0.31 I.D.	0.391 x 2.125	18550 ⑥

18546

120NB

200LB

153C