

SPARTON TUBE CHARACTERISTICS

			DETECTION			AMPLIFICATION						
Type	Filament Terminal Voltage	Filament Current Amperes	Detector Plate Voltage	Grid Return Lead to	Detector Plate Current Milli-Amperes	Amplifier Plate Voltage	Grid Bias Voltage—		Amplifier Plate Current Milli-Amperes	Screen Grid Volts +	Ohms Load for Maximum Undistorted Output	Maximum Undistorted Output Milli-watts
							D. C. On Fil.	A. C. On Fil.				
181	3.0	1.35	.....	.....	.....	180	30.0	30.0	18	.....	.....	.....
401	3.0	1.35	45	Cath.	2	90 180	3.0 13.5	3.0 13.5	5 6	.....	.....	.....
401-A	5.0	.25	45	+F	1.5	90 135	4.5 9.0	.....	2.5 3.0	.....	11,000 20,000	15 55
410	7.5	1.25	.....	.....	.....	250 350 425	18.0 27.0 35.0	22.0 31.0 39.0	10 16 18	.....	13,000 11,000 10,000	400 900 1600
412-A	5.0	.25	45	+F	1.5	90 135	4.5 9.0	.....	5.2 6.2	.....	5,600 7,800	30 120
412-A	5.0	.25	.....	.....	.....	135 157.5 180	9.0 10.5 13.5	11.5 13.0 16.0	6.2 9.5 7.6	.....	3,700 3,700 10,800	120 195 275
424	2.5	1.75	90—180	Cath.	1.0	180 180	1.5 3.0	1.5 3.0	4.0 4.0	75 90	.....	.....
424	2.5	1.75	.....	.....	.....	250	1.0	1.0	0.5	25	.....	.....
426	1.5	1.05	.....	.....	.....	90 135 180	5.0 8.0 12.5	6.0 9.0 13.5	3.8 6.3 7.4	.....	9,800 8,800 10,500	30 80 160
427	2.5	1.75	180	Cath.	.8	90 180	6.0 13.5	6.0 13.5	2.7 5.0	.....	.....	.....
430	2.0	.06	45	+F	1.5	90	4.5	.....	2.0	.....	.....	.....
431	2.0	.13	.....	.....	.....	135	22.5	.....	8.0	.....	.....	170
432	2.0	.06	.....	.....	.....	135	3.0	.....	1.5	67.5	.....	.....
433	2.0	.26	.....	.....	.....	135	13.5	.....	14.0	135	7,500	650
435	2.5	1.75	250	Cath.	1.0—3.0	250	3.0	3.0	7.0	90	.....	.....
436	6.3	.3	.....	.....	.....	90† 135* 135	1.5† 1.5* 1.5	.....	1.8 3.0 3.5	55† 67.5* 75	.....	.....
437	6.3	.3	45	Cath.	.5—1.0	90† 135	6† 9	.....	2.7 4.5	.....	14,000 12,500	30 75
438	6.3	.3	.....	.....	.....	135	13.5	.....	8.0	135	15,000	375
445	2.5	1.5	.....	.....	.....	180 250	33.0 48.5	34.5 50.0	25 34	.....	3,500 3,900	780 1600
447	2.5	1.5	.....	.....	.....	250	15.0	16.5	32	250	7000	2500
450	7.5	1.25	.....	.....	.....	250 350 400 450	41.0 59.0 68.0 90.0	45.0 63.0 70.0 84.0	23 45 55 55	.....	4,300 4,100 3,670 4,350	1000 2400 3400 4600
480	5.0	2.0	.....	.....	.....	Maximum A.C. Voltage Per Plate 350 Volts R.M.S. Maximum Rectified Current 125 M.A.						
481	7.5	1.25	.....	.....	.....	Maximum A.C. Voltage Per Plate 700 Volts R.M.S. Maximum Rectified Current 85 M.A.						
482-A	5.0	.8	.....	.....	.....	300	45	.....	18	.....	4500	1500
482-B	5.0	1.25	.....	.....	.....	250	32.5	35	18	.....	4500	1750
482	5.0	1.25	.....	.....	.....	250 250	65.5 63.5	58.0 65.0	20 26	.....	4500	2000
484-A	3.0	1.6	100	Cath.	0.5	90 180	3 9	3 9	5 6	.....	.....	.....
485	3.0	1.3	135	Cath.	0.8	90 180	3 9	3 9	5 6	.....	.....	.....
486	3.0	.25	.....	.....	.....	90	3.0	.....	3.0	.....	.....	.....

*Recommended values for use in Automobile Receivers.
 †Recommended values for use in Receivers designed for 110 volts D.C. operation.