

INTERCHANGEABLE **BetaCURVE R** – T SPECIFICATION

1K7A1						2K3A1						2.2K3A1					
1,000 Ohms @ 25°C ± 0.2° 0 -70°C						2,000 Ohms @ 25°C ± 0.2° 0 -70°C						2,252 Ohms @ 25°C ± 0.2° 0 -70°C					
Temp. (°C)	R Value (Ohms)	Temp. (°C)	R Value (Ohms)	Temp. (°C)	R Value (Ohms)	Temp. (°C)	R Value (Ohms)	Temp. (°C)	R Value (Ohms)	Temp. (°C)	R Value (Ohms)	Temp. (°C)	R Value (Ohms)	Temp. (°C)	R Value (Ohms)		
-80		0	2,825	71	209.6	-80	1,443.351	0	6,530.3	71	338.60	-80	1,643.256	0	7,353.0		
-79		1	2,792	72	203.5	-79	1,321.342	1	6,296.3	72	327.33	-79	1,503.707	1	6,988.1		
-78		2	2,585	73	197.5	-78	1,210.414	2	5,990.3	73	316.49	-78	1,376.943	2	6,643.4		
-77		3	2,473	74	191.8	-77	1,109.594	3	5,611.1	74	306.07	-77	1,261.723	3	6,317.8		
-76		4	2,367	75	186.2	-76	1,017.816	4	5,337.7	75	296.03	-76	1,156.930	4	6,010.9		
-75		5	2,266	76	180.9	-75	934.245	5	5,079.2	76	286.38	-75	1,061.539	5	5,719.1		
-74		6	2,170	77	175.7	-74	858.099	6	4,834.7	77	277.10	-74	974.660	6	5,443.7		
-73		7	2,079	78	170.7	-73	788.647	7	4,603.4	78	268.16	-73	893.222	7	5,183.2		
-72		8	1,992	79	165.8	-72	725.287	8	4,384.5	79	259.55	-72	823.248	8	4,936.8		
-71		9	1,909	80	161.2	-71	667.436	9	4,177.3	80	251.26	-71	757.339	9	4,703.3		
-70		10	1,830	81	156.6	-70	614.575	10	3,980.9	81	243.28	-70	697.132	10	4,482.3		
-69		11	1,755	82	152.3	-69	566.242	11	3,794.9	82	235.59	-69	642.127	11	4,272.9		
-68		12	1,683	83	148.0	-68	522.033	12	3,618.6	83	228.17	-68	591.821	12	4,074.5		
-67		13	1,615	84	144.0	-67	481.566	13	3,451.6	84	221.04	-67	545.777	13	3,886.4		
-66		14	1,549	85	140.0	-66	444.506	14	3,293.2	85	214.15	-66	503.637	14	3,707.9		
-65		15	1,487	86	136.2	-65	410.531	15	3,142.9	86	207.52	-65	465.020	15	3,538.8		
-64		16	1,428	87	132.5	-64	379.380	16	3,000.3	87	201.12	-64	429.620	16	3,378.3		
-63		17	1,371	88	128.9	-63	350.786	17	2,865.1	88	194.96	-63	397.149	17	3,225.9		
-62		18	1,317	89	125.4	-62	324.544	18	2,736.6	89	189.01	-62	367.340	18	3,081.3		
-61		19	1,265	90	122.0	-61	300.425	19	2,614.6	90	183.27	-61	339.971	19	2,939.5		
-60		20	1,216	91	118.8	-60	278.258	20	2,498.8	91	177.73	-60	314.815	20	2,813.6		
-59		21	1,169	92	115.6	-59	257.873	21	2,388.7	92	172.39	-59	291.688	21	2,689.6		
-58		22	1,124	93	112.6	-58	239.106	22	2,284.0	93	167.24	-58	270.405	22	2,571.8		
-57		23	1,081	94	109.6	-57	221.830	23	2,184.5	94	162.26	-57	250.815	23	2,459.8		
-56		24	1,039	95	106.7	-56	205.913	24	2,090.0	95	157.46	-56	232.771	24	2,353.3		
-55	54.143	25	1,000	96	104.0	-55	191.239	25	2,000.0	96	152.82	-55	216.145	25	2,252.0		
-54	50.785	26	962.3	97	101.3	-54	177.703	26	1,914.4	97	148.34	-54	200.808	26	2,155.6		
-53	47.657	27	926.2	98	98.7	-53	165.213	27	1,832.9	98	144.01	-53	186.660	27	2,063.9		
-52	44.741	28	891.7	99	96.1	-52	153.681	28	1,755.4	99	139.83	-52	173.602	28	1,976.6		
-51	42.022	29	858.7	100	93.7	-51	143.024	29	1,681.5	100	135.79	-51	161.538	29	1,893.4		
-50	39.486	30	827.0	101	91.3	-50	133.177	30	1,611.2	101	131.89	-50	150.395	30	1,814.2		
-49	37.119	31	796.7	102	89.0	-49	124.068	31	1,544.1	102	128.12	-49	140.087	31	1,738.8		
-48	34.908	32	767.6	103	86.8	-48	115.640	32	1,480.3	103	124.47	-48	130.553	32	1,666.9		
-47	32.843	33	739.8	104	84.6	-47	107.838	33	1,419.4	104	120.94	-47	121.727	33	1,598.3		
-46	30.914	34	713.2	105	82.5	-46	100.611	34	1,361.3	105	117.53	-46	113.553	34	1,532.9		
-45	29.109	35	687.6	106	80.4	-45	93.914	35	1,306.0	106	114.24	-45	105.981	35	1,470.6		
-44	27.421	36	663.1	107	78.4	-44	87.704	36	1,253.2	107	111.05	-44	98.963	36	1,411.1		
-43	25.842	37	639.6	108	76.5	-43	81.945	37	1,202.8	108	107.96	-43	92.452	37	1,354.4		
-42	24.364	38	617.1	109	74.6	-42	76.599	38	1,154.7	109	104.98	-42	86.412	38	1,300.2		
-41	22.979	39	595.4	110	72.8	-41	71.635	39	1,108.8	110	102.09	-41	80.893	39	1,248.5		
-40	21.681	40	574.7	111	71.1	-40	67.023	40	1,064.9	111	99.29	-40	75.593	40	1,199.2		
-39	20.465	41	554.8	112	69.4	-39	62.738	41	1,023.0	112	96.59	-39	70.753	41	1,152.0		
-38	19.324	42	535.6	113	67.7	-38	58.753	42	983.02	113	93.97	-38	66.252	42	1,107.0		
-37	18.255	43	517.3	114	66.1	-37	55.044	43	944.78	114	91.43	-37	62.066	43	1,063.9		
-36	17.250	44	499.6	115	64.5	-36	51.595	44	908.25	115	88.98	-36	58.171	44	1,022.8		
-35	16.308	45	482.7	116	63.0	-35	48.382	45	873.31	116	86.60	-35	54.542	45	983.42		
-34	15.422	46	466.4	117	61.5	-34	45.388	46	839.90	117	84.29	-34	51.164	46	945.81		
-33	14.590	47	450.7	118	60.1	-33	42.598	47	807.95	118	82.06	-33	48.017	47	909.83		
-32	13.809	48	435.7	119	58.7	-32	39.997	48	777.37	119	79.90	-32	45.081	48	875.40		
-31	13.073	49	421.3	120	57.3	-31	37.511	49	748.12	120	77.80	-31	42.343	49	842.47		
-30	12.382	50	407.4	121	56.0	-30	35.306	50	720.13	121	75.77	-30	39.789	50	810.94		
-29	11.731	51	394.0	122	54.7	-29	33.192	51	693.33	122	73.80	-29	37.404	51	780.75		
-28	11.118	52	381.1	123	53.4	-28	31.217	52	667.66	123	71.89	-28	35.176	52	751.85		
-27	10.541	53	368.7	124	52.2	-27	29.372	53	643.07	124	70.04	-27	33.095	53	724.16		
-26	9.998	54	356.8	125	51.0	-26	27.647	54	619.53	125	68.25	-26	31.150	54	697.65		
-25	9.485	55	345.4	126	49.9	-25	26.034	55	596.96	126	66.51	-25	29.331	55	672.24		
-24	9.002	56	334.3	127	48.8	-24	24.524	56	575.34	127	64.82	-24	27.629	56	647.88		
-23	8.547	57	323.7	128	47.7	-23	23.111	57	554.61	128	63.18	-23	26.096	57	624.53		
-22	8.117	58	313.5	129	46.6	-22	21.789	58	534.73	129	61.59	-22	24.545	58	602.15		
-21	7.712	59	303.6	130	45.6	-21	20.549	59	515.67	130	60.05	-21	23.148	59	580.68		
-20	7.329	60	294.1	131	44.6	-20	19.388	60	497.38	131	58.56	-20	21.839	60	560.09		
-19	6.967	61	285.0	132	43.6	-19	18.290	61	479.84	132	57.10	-19	20.611	61	540.34		
-18	6.626	62	276.1	133	42.7	-18	17.278	62	463.00	133	55.69	-18	19.461	62	521.38		
-17	6.303	63	267.6	134	41.7	-17	16.320	63	446.85	134	54.32	-17	18.381	63	503.18		
-16	5.998	64	259.4	135	40.8	-16	15.421	64	431.34	135	53.00	-16	17.368	64	485.70		
-15	5.709	65	251.5	136	39.9	-15	14.576	65	416.44	136	51.70	-15	16.416	65	468.94		
-14	5.436	66	243.9	137	39.1	-14	13.783	66	402.14	137	50.45	-14	15.522	66	452.82		
-13	5.178	67	236.6	138	38.3												

INTERCHANGEABLE **BetaCURVE** R - T SPECIFICATION

3K3A1						5K3A1						10K3A1					
3,000 Ohms @ 25°C ± 0.2° 0 -70°C						5,000 Ohms @ 25°C ± 0.2° 0 -70°C						10,000 ohms @ 25°C ± 0.2° 0 -70°C					
Temp. (°C)	R Value (Ohms)	Temp. (°C)	R Value (Ohms)	Temp. (°C)	R Value (Ohms)	Temp. (°C)	R Value (Ohms)	Temp. (°C)	R Value (Ohms)	Temp. (°C)	R Value (Ohms)	Temp. (°C)	R Value (Ohms)	Temp. (°C)	R Value (Ohms)		
-80	2,189,062	0	9,795.2	71	507.90	-80	3,648,437	0	16,325.4	71	846.50	-80	7,296,874	0	32,650.8		
-79	2,083,362	1	9,399.1	72	490.99	-79	3,338,603	1	15,515.2	72	818.31	-79	6,677,205	1	31,030.4		
-78	1,834,293	2	8,850.0	73	474.72	-78	3,057,155	2	14,750.0	73	791.21	-78	6,114,311	2	29,500.1		
-77	1,680,803	3	8,416.3	74	459.08	-77	2,801,338	3	14,027.1	74	765.14	-77	5,602,677	3	28,054.2		
-76	1,541,203	4	8,006.3	75	444.04	-76	2,568,672	4	13,343.8	75	740.06	-76	5,137,343	4	26,687.6		
-75	1,414,129	5	7,618.7	76	429.56	-75	2,356,881	5	12,697.8	76	715.93	-75	4,713,762	5	25,395.5		
-74	1,298,393	6	7,251.8	77	415.61	-74	2,163,988	6	12,086.3	77	692.68	-74	4,327,977	6	24,172.7		
-73	1,189,906	7	6,904.8	78	402.20	-73	1,983,176	7	11,508.0	78	670.34	-73	3,986,352	7	23,016.0		
-72	1,096,689	8	6,576.5	79	389.29	-72	1,827,816	8	10,960.8	79	648.82	-72	3,655,631	8	21,921.7		
-71	1,008,889	9	6,265.6	80	376.85	-71	1,681,481	9	10,442.6	80	628.09	-71	3,362,963	9	20,885.2		
-70	928,683	10	5,971.1	81	364.87	-70	1,547,805	10	9,951.8	81	608.11	-70	3,095,611	10	19,903.5		
-69	855,409	11	5,692.1	82	353.33	-69	1,425,681	11	9,486.8	82	588.88	-69	2,851,263	11	18,973.6		
-68	788,394	12	5,427.8	83	342.21	-68	1,313,991	12	9,046.3	83	570.36	-68	2,627,981	12	18,092.6		
-67	727,056	13	5,177.2	84	331.50	-67	1,211,740	13	8,628.7	84	552.50	-67	2,423,519	13	17,257.4		
-66	670,919	14	4,939.5	85	321.17	-66	1,118,199	14	8,232.5	85	535.29	-66	2,236,398	14	16,465.1		
-65	619,476	15	4,714.2	86	311.22	-65	1,032,459	15	7,857.0	86	518.70	-65	2,064,919	15	15,714.0		
-64	572,310	16	4,500.3	87	301.62	-64	953,864	16	7,500.6	87	502.70	-64	1,907,928	16	15,001.2		
-63	529,062	17	4,297.4	88	292.37	-63	881,770	17	7,162.3	88	487.28	-63	1,763,539	17	14,324.6		
-62	489,352	18	4,104.8	89	283.44	-62	815,586	18	6,841.3	89	472.40	-62	1,631,173	18	13,682.6		
-61	452,892	19	3,915.9	90	274.83	-61	754,820	19	6,536.4	90	458.06	-61	1,509,639	19	13,052.8		
-60	419,380	20	3,748.1	91	266.52	-60	698,967	20	6,246.8	91	444.20	-60	1,397,935	20	12,493.7		
-59	388,572	21	3,583.0	92	258.51	-59	647,619	21	5,971.6	92	430.85	-59	1,295,239	21	11,943.3		
-58	360,219	22	3,426.0	93	250.78	-58	600,366	22	5,710.0	93	417.96	-58	1,200,732	22	11,426.0		
-57	334,123	23	3,276.8	94	243.31	-57	556,872	23	5,461.3	94	405.51	-57	1,113,741	23	10,922.7		
-56	310,086	24	3,135.0	95	236.10	-56	516,809	24	5,225.0	95	393.49	-56	1,033,619	24	10,449.9		
-55	287,937	25	3,000.0	96	229.14	-55	479,895	25	5,000.0	96	381.89	-55	959,789	25	10,000.0		
-54	267,507	26	2,871.6	97	222.41	-54	445,841	26	4,786.0	97	370.69	-54	891,589	26	9,572.0		
-53	248,660	27	2,749.4	98	215.92	-53	414,433	27	4,582.4	98	359.87	-53	828,865	27	9,164.7		
-52	231,264	28	2,633.1	99	209.65	-52	385,440	28	4,388.5	99	349.41	-52	770,880	28	8,777.0		
-51	215,193	29	2,522.3	100	203.59	-51	358,655	29	4,203.9	100	339.32	-51	717,310	29	8,407.7		
-50	200,348	30	2,416.8	101	197.73	-50	333,914	30	4,028.0	101	329.55	-50	667,828	30	8,056.0		
-49	186,617	31	2,316.3	102	192.07	-49	311,028	31	3,860.5	102	320.12	-49	622,053	31	7,720.9		
-48	173,916	32	2,220.5	103	186.60	-48	289,859	32	3,700.8	103	311.00	-48	579,718	32	7,401.7		
-47	162,159	33	2,129.2	104	181.31	-47	270,265	33	3,548.6	104	302.18	-47	540,530	33	7,097.2		
-46	151,269	34	2,042.1	105	176.19	-46	252,115	34	3,403.5	105	293.65	-46	504,230	34	6,807.0		
-45	141,183	35	1,959.0	106	171.24	-45	235,305	35	3,265.1	106	285.41	-45	470,009	35	6,530.1		
-44	131,833	36	1,879.8	107	166.46	-44	219,722	36	3,133.1	107	277.43	-44	439,445	36	6,266.1		
-43	123,160	37	1,804.3	108	161.83	-43	205,266	37	3,007.1	108	269.72	-43	410,532	37	6,014.2		
-42	115,114	38	1,732.1	109	157.35	-42	191,856	38	2,886.9	109	262.26	-42	383,712	38	5,773.7		
-41	107,642	39	1,663.2	110	153.02	-41	179,403	39	2,772.1	110	255.03	-41	358,806	39	5,544.1		
-40	100,791	40	1,597.5	111	148.82	-40	167,835	40	2,662.4	111	248.04	-40	335,671	40	5,324.9		
-39	94,254	41	1,534.7	112	144.77	-39	157,089	41	2,557.8	112	241.28	-39	314,179	41	5,115.6		
-38	88,258	42	1,474.6	113	140.83	-38	147,096	42	2,457.7	113	234.72	-38	294,193	42	4,915.5		
-37	82,682	43	1,417.3	114	137.03	-37	137,803	43	2,362.1	114	228.38	-37	275,005	43	4,724.3		
-36	77,492	44	1,362.5	115	133.34	-36	129,153	44	2,270.8	115	222.24	-36	256,307	44	4,541.6		
-35	72,658	45	1,310.7	116	129.775	-35	121,097	45	2,183.45	116	216.29	-35	238,195	45	4,366.9		
-34	68,159	46	1,259.96	117	126.317	-34	113,598	46	2,099.93	117	210.53	-34	221,196	46	4,199.9		
-33	63,966	47	1,212.02	118	122.969	-33	106,609	47	2,020.04	118	204.95	-33	205,219	47	4,040.1		
-32	60,055	48	1,166.16	119	119.724	-32	100,092	48	1,943.60	119	199.54	-32	200,184	48	3,887.2		
-31	56,408	49	1,122.30	120	116.578	-31	94,013	49	1,870.50	120	193.30	-31	188,026	49	3,741.1		
-30	53,085	50	1,080.30	121	113.531	-30	88,342	50	1,800.49	121	189.22	-30	176,583	50	3,601.0		
-29	49,827	51	1,040.08	122	110.577	-29	83,046	51	1,733.46	122	184.30	-29	166,091	51	3,466.9		
-28	46,860	52	1,001.58	123	107.713	-28	78,100	52	1,669.30	123	179.52	-28	156,199	52	3,338.6		
-27	44,088	53	964.69	124	104.937	-27	73,480	53	1,607.81	124	174.89	-27	146,959	53	3,215.6		
-26	41,497	54	929.38	125	102.246	-26	69,161	54	1,548.96	125	170.11	-26	138,322	54	3,097.9		
-25	39,073	55	895.52	126	99.634	-25	65,122	55	1,492.54	126	166.06	-25	130,243	55	2,985.1		
-24	36,806	56	863.08	127	97.100	-24	61,343	56	1,438.46	127	161.83	-24	122,687	56	2,876.9		
-23	34,684	57	831.97	128	94.644	-23	57,807	57	1,386.62	128	157.71	-23	115,613	57	2,773.2		
-22	32,697	58	802.16	129	92.260	-22	54,496	58	1,336.93	129	153.77	-22	108,991	58	2,673.9		
-21	30,836	59	773.56	130	89.946	-21	51,394	59	1,289.26	130	149.91	-21	102,787	59	2,578.5		
-20	29,092	60	746.12	131	87.703	-20	48,487	60	1,243.53	131	146.17	-20	96,974	60	2,487.1		
-19	27,458	61	719.82	132	85.524	-19	45,763	61	1,199.70	132	142.54	-19	91,525	61	2,399.4		
-18	25,924	62	694.55	133	83.410	-18	43,207	62	1,157.59	133	139.02	-18	86,415	62	2,315.2		
-17	24,486																