1.5KE SERIES

CASE : DO-201

PART NO.	Breakdown Voltage V_{BR} (Volts) MIN.	MAX.	@I_T (mA)	Reverse Stand off Voltage V_{WM} (Volts)	Maximum Reverse Leakage at V_{WM} $I_{D(uA)}$	Maximum Peak Pulse Current I_{PPM} (Amp)	Maximum Clamping Voltage at I_{PPM} V_C (Volts)	Maximum Temperature Coefficient of V_{BR} (% C)
1.5KE6.8	6.12	7.48	10	5.50	1000	139	10.8	0.057
1.5KE6.8A	6.45	7.14	10	5.80	1000	143	10.5	0.057
1.5KE7.5	6.75	8.25	10	6.05	500	128	11.7	0.061
1.5KE7.5A	7.13	7.88	10	6.40	500	132	11.3	0.061
1.5KE8.2	7.38	9.02	10	6.63	200	120	12.5	0.065
1.5KE8.2A	7.79	8.61	10	7.02	200	124	12.1	0.065
1.5KE9.1	8.19	10.0	1.0	7.37	50	109	13.8	0.068
1.5KE9.1A	8.65	9.55	1.0	7.78	50	112	13.4	0.068
1.5KE10	9.00	11.0	1.0	8.10	10	100	15.0	0.073
1.5KE10A	9.50	10.5	1.0	8.55	10	103	14.5	0.073
1.5KE11	9.90	12.1	1.0	8.92	5.0	93.0	16.2	0.075
1.5KE11A	10.5	11.6	1.0	9.40	5.0	96.0	15.6	0.075
1.5KE12	10.8	13.2	1.0	9.72	5.0	87.0	17.3	0.076
1.5KE12A	11.4	12.6	1.0	10.2	5.0	90.0	16.7	0.078
1.5KE13	11.7	14.3	1.0	10.5	5.0	79.0	19.0	0.081
1.5KE13A	12.4	13.7	1.0	11.1	5.0	82.0	18.2	0.081
1.5KE15	13.5	16.3	1.0	12.1	5.0	68.0	22.0	0.084
1.5KE15A	14.3	15.8	1.0	12.8	5.0	71.0	21.2	0.084
1.5KE16	14.4	17.6	1.0	12.9	5.0	64.0	23.5	0.086
1.5KE16A	15.2	16.8	1.0	13.6	5.0	67.0	22.5	0.086
1.5KE18	16.2	19.8	1.0	14.5	5.0	56.5	26.5	0.088
1.5KE18A	17.1	18.9	1.0	15.3	5.0	59.5	25.5	0.088
1.5KE20	18.0	22.0	1.0	16.2	5.0	51.5	29.1	0.090
1.5KE20A	19.0	21.0	1.0	17.1	5.0	54.0	27.7	0.090
1.5KE22	19.8	24.2	1.0	17.8	5.0	47.0	31.9	0.092
1.5KE22A	20.9	23.1	1.0	18.8	5.0	49.0	30.6	0.092
1.5KE24	21.6	26.4	1.0	19.4	5.0	43.0	34.7	0.094
1.5KE24A	22.8	25.2	1.0	20.5	5.0	45.0	33.2	0.094
1.5KE27	24.3	29.7	1.0	21.8	5.0	38.5	39.1	0.096
1.5KE27A	25.7	28.4	1.0	23.1	5.0	40.0	37.5	0.096
1.5KE30	27.0	33.0	1.0	24.3	5.0	34.5	43.5	0.097
1.5KE30A	28.5	31.5	1.0	25.6	5.0	36.0	41.4	0.097
1.5KE33	29.7	36.3	1.0	26.8	5.0	31.5	47.7	0.098
1.5KE33A	31.4	34.7	1.0	28.2	5.0	33.0	45.7	0.098
1.5KE36	32.4	39.6	1.0	29.1	5.0	29.0	52.0	0.099
1.5KE36A	34.2	37.8	1.0	30.8	5.0	30.0	49.9	0.099
1.5KE39	35.1	42.9	1.0	31.6	5.0	26.5	56.4	0.100
1.5KE39A	37.1	41.0	1.0	33.3	5.0	28.0	53.9	0.100
1.5KE43	38.7	47.3	1.0	34.8	5.0	24.0	61.9	0.101
1.5KE43A	40.9	45.2	1.0	36.8	5.0	25.3	59.3	0.101
1.5KE47	42.3	51.7	1.0	38.1	5.0	22.2	67.8	0.101
1.5KE47A	44.7	49.4	1.0	40.2	5.0	23.2	64.8	0.101
1.5KE51	45.9	56.1	1.0	41.3	5.0	20.4	73.5	0.102
1.5KE51A	48.5	53.6	1.0	43.6	5.0	21.4	70.1	0.102
1.5KE56	50.4	61.6	1.0	45.4	5.0	18.6	80.5	0.103
1.5KE56A	53.2	58.8	1.0	47.8	5.0	19.5	77.0	0.103
1.5KE62	55.8	68.2	1.0	50.2	5.0	16.9	89.0	0.104
1.5KE62A	58.9	65.1	1.0	53.0	5.0	17.7	85.0	0.104

datasheetLive

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61.2	74.8	1.0	55.1	5.0	15.3	98.0	0.104
64.6	71.4	1.0	58.1	5.0	16.3	92.0	0.104
67.5	82.5	1.0	60.7	5.0	13.9	108	0.105
71.3	78.8	1.0	64.1	5.0	14.6	103	0.105
73.8	90.2	1.0	66.4	5.0	12.7	118	0.105
77.9	86.1	1.0	70.1	5.0	13.3	113	0.105
81.9	100	1.0	73.7	5.0	11.4	131	0.106
86.5	95.5	1.0	77.8	5.0	12.0	125	0.106
90.0	110	1.0	81.0	5.0	10.4	144	0.106
95.0	105	1.0	85.5	5.0	11.0	137	0.106
99.0	121	1.0	89.2	5.0	9.5	158	0.107
105	116	1.0	94.0	5.0	9.9	152	0.107
108	132	1.0	97.2	5.0	8.7	173	0.107
114	126	1.0	102	5.0	9.1	165	0.107
117	143	1.0	105	5.0	8.0	187	0.107
124	137	1.0	111	5.0	8.4	179	0.107
135	165	1.0	121	5.0	7.0	215	0.108
143	158	1.0	128	5.0	7.2	207	0.108
144	176	1.0	130	5.0	6.5	230	0.108
152	168	1.0	136	5.0	6.8	219	0.108
153	187	1.0	138	5.0	6.2	244	0.108
162	179	1.0	145	5.0	6.4	234	0.108
162	198	1.0	146	5.0	5.8	258	0.108
171	189	1.0	154	5.0	6.1	246	0.108
180	220	1.0	162	5.0	5.2	287	0.108
190	210	1.0	171	5.0	5.5	274	0.108
198	242	1.0	175	5.0	4.3	344	0.108
209	231	1.0	185	5.0	4.6	328	0.108
225	275	1.0	202	5.0	5.0	360	0.110
237	267	1.0	214	5.0	5.0	344	0.110
270	330	1.0	243	5.0	5.0	430	0.110
285	315	1.0	256	5.0	5.0	414	0.110
315	385	1.0	284	5.0	4.0	504	0.110
332	368	1.0	300	5.0	4.0	482	0.110
360	440	1.0	324	5.0	4.0	574	0.110
380	420	1.0	342	5.0	4.0	548	0.110

NOTES: 1. V_{BR} measured after I_T applied for 300ms. I_T = square wave pulse or equivalent.

2. For bidirectional use C or CA suffixs for all types(ex. 1.5KE6.8C,1.5KE400CA) electrical characteristics apply in both directions.

3. For bidirectional types having V_R of 10 volts and less, the I_D limit is doubled.