

# TRANSIENT VOLTAGE SUPPRESSORS

## 1.5KE AND JEDEC SERIES



### 1500 WATT PEAK POWER RATING/DO-201

OPERATING/STORAGE TEMPERATURE RANGE -65°C TO +175°C

Industry Type Number	JEDEC Type Number	V (BR) @ I <sub>T</sub>		I <sub>T</sub>	V <sub>WM</sub>	Max ID @ V <sub>WM</sub>	Max VC @ I <sub>pp</sub>	I <sub>pp</sub>	a V (BR)	Industry Type Number	JEDEC Type Number	V (BR) @ I <sub>T</sub>		I <sub>T</sub>	V <sub>WM</sub>	Max ID @ V <sub>WM</sub>	Max VC @ I <sub>pp</sub>	I <sub>pp</sub>	a V (BR)
		Min	Max									Min	Max						
		VDC		mADC	V	μADC	V	A	%/°C			VDC		mADC	V	μADC	V	A	%/°C
1.5KE6.8	1N6267	6.12	7.48	10	5.5	1000	10.8	139	.057	1.5KE6.8A	1N6267A	6.45	7.14	10	5.8	1000	10.5	143	.057
1.5KE7.5	1N6268	6.75	8.25	10	6.05	500	11.7	128	.061	1.5KE7.5A	1N6268A	7.13	7.88	10	6.4	500	11.3	132	.061
1.5KE8.2	1N6269	7.38	9.02	10	6.63	200	12.5	120	.065	1.5KE8.2A	1N6269A	7.79	8.61	10	7.02	200	12.1	124	.065
1.5KE9.1	1N6270	8.19	10	1	7.37	50	13.8	109	.068	1.5KE9.1A	1N6270A	8.65	9.55	1	7.78	50	13.4	112	.068
1.5KE10	1N6271	9.0	11	1	8.1	10	15	100	.073	1.5KE10A	1N6271A	9.5	10.5	1	8.55	10	14.5	103	.073
1.5KE11	1N6272	9.9	12.1	1	8.92	5	16.2	93	.075	1.5KE11A	1N6272A	10.5	11.6	1	9.4	5	15.6	96	.075
1.5KE12	1N6273	10.8	13.2	1	9.72	5	17.3	87	.078	1.5KE12A	1N6273A	11.4	12.6	1	10.2	5	16.7	90	.078
1.5KE13	1N6274	11.7	14.3	1	10.5	5	19	79	.081	1.5KE13A	1N6274A	12.4	13.7	1	11.1	5	18.2	82	.081
1.5KE15	1N6275	13.5	16.5	1	12.1	5	22	68	.084	1.5KE15A	1N6275A	14.3	15.8	1	12.8	5	21.2	71	.084
1.5KE16	1N6276	14.4	17.6	1	12.9	5	23.5	64	.086	1.5KE16A	1N6276A	15.2	16.8	1	13.6	5	22.5	67	.086
1.5KE18	1N6277	16.2	19.8	1	14.5	5	26.5	56.5	.088	1.5KE18A	1N6277A	17.1	18.9	1	15.3	5	25.2	59.5	.088
1.5KE20	1N6278	18	22	1	16.2	5	29.1	51.5	.090	1.5KE20A	1N6278A	19	21	1	17.1	5	27.7	54	.090
1.5KE22	1N6279	19.8	24.2	1	17.8	5	31.9	47	.092	1.5KE22A	1N6279A	20.9	23.1	1	18.8	5	30.6	49	.092
1.5KE24	1N6280	21.6	26.4	1	19.4	5	34.7	43	.094	1.5KE24A	1N6280A	22.8	25.2	1	20.5	5	33.2	45	.094
1.5KE27	1N6281	24.3	29.7	1	21.8	5	39.1	38.5	.096	1.5KE27A	1N6281A	25.7	28.4	1	23.1	5	37.5	40	.096
1.5KE30	1N6282	27	33	1	24.3	5	43.5	34.5	.097	1.5KE30A	1N6282A	28.5	31.5	1	25.6	5	41.4	36	.097
1.5KE33	1N6283	29.7	36.3	1	26.8	5	47.7	31.5	.098	1.5KE33A	1N6283A	31.4	34.7	1	28.2	5	45.7	33	.098
1.5KE36	1N6284	32.4	39.6	1	29.1	5	52	29	.099	1.5KE36A	1N6284A	34.2	37.8	1	30.8	5	49.9	30	.099
1.5KE39	1N6285	35.1	42.9	1	31.6	5	56.4	26.5	.100	1.5KE39A	1N6285A	37.1	41	1	33.3	5	53.9	28	.100
1.5KE43	1N6286	38.7	47.3	1	34.8	5	61.9	24	.101	1.5KE43A	1N6286A	40.9	45.2	1	36.8	5	59.3	25.3	.101
1.5KE47	1N6287	42.3	51.7	1	38.1	5	67.8	22.2	.101	1.5KE47A	1N6287A	44.7	49.4	1	40.2	5	64.8	23.2	.101
1.5KE51	1N6288	45.9	56.1	1	41.3	5	73.5	20.4	.102	1.5KE51A	1N6288A	48.5	53.6	1	43.6	5	70.1	21.4	.102
1.5KE56	1N6289	50.4	61.6	1	45.4	5	80.5	18.6	.103	1.5KE56A	1N6289A	53.2	58.8	1	47.8	5	77	19.5	.103
1.5KE62	1N6290	55.8	68.2	1	50.2	5	89	16.9	.104	1.5KE62A	1N6290A	58.9	65.1	1	53	5	85	17.7	.104
1.5KE68	1N6291	61.2	74.8	1	55.1	5	98	15.3	.104	1.5KE68A	1N6291A	64.6	71.4	1	58.1	5	92	16.3	.104
1.5KE75	1N6292	67.5	82.5	1	60.7	5	108	13.9	.105	1.5KE75A	1N6292A	71.3	78.8	1	64.1	5	103	14.6	.105
1.5KE82	1N6293	73.8	90.2	1	66.4	5	118	12.7	.105	1.5KE82A	1N6293A	77.9	86.1	1	70.1	5	113	13.3	.105
1.5KE91	1N6294	81.9	100	1	73.7	5	131	11.4	.106	1.5KE91A	1N6294A	86.5	95.5	1	77.8	5	125	12	.106
1.5KE100	1N6295	90	110	1	81	5	144	10.4	.106	1.5KE100A	1N6295A	95	105	1	85.5	5	137	11	.106
1.5KE110	1N6296	99	121	1	89.2	5	158	9.5	.107	1.5KE110A	1N6296A	105	116	1	94	5	152	9.9	.107
1.5KE120	1N6297	108	132	1	97.2	5	173	8.7	.107	1.5KE120A	1N6297A	114	126	1	102	5	165	9.1	.107
1.5KE130	1N6298	117	143	1	105	5	187	8.0	.107	1.5KE130A	1N6298A	124	137	1	111	5	179	8.4	.107
1.5KE150	1N6299	135	165	1	121	5	215	7.0	.108	1.5KE150A	1N6299A	143	158	1	128	5	207	7.2	.108
1.5KE160	1N6300	144	176	1	130	5	230	6.5	.108	1.5KE160A	1N6300A	152	168	1	136	5	219	6.8	.108
1.5KE170	1N6301	153	187	1	138	5	244	6.2	.108	1.5KE170A	1N6301A	162	179	1	145	5	234	6.4	.108
1.5KE180	1N6302	162	198	1	146	5	258	5.8	.108	1.5KE180A	1N6302A	171	189	1	154	5	246	6.1	.108
1.5KE200	1N6303	180	220	1	162	5	287	5.2	.108	1.5KE200A	1N6303A	190	210	1	171	5	274	5.5	.108
1.5KE220		198	242	1	175	5	344	4.3	.108	1.5KE220A		209	231	1	185	5	328	4.6	.108
1.5KE250		225	275	1	202	5	360	5.0	.108	1.5KE250A		237	263	1	214	5	344	5.0	.108
1.5KE300		270	330	1	243	5	430	5.0	.108	1.5KE300A		285	315	1	256	5	414	5.0	.108
1.5KE350		315	385	1	284	5	504	4.0	.108	1.5KE350A		332	368	1	300	5	482	4.0	.108
1.5KE400		360	440	1	324	5	574	4.0	.108	1.5KE400A		380	420	1	342	5	548	4.0	.108

- NOTES: 1) For Bidirectional Construction, indicate a C or CA suffix after the part number i.e. 1.5KE200CA.  
 2) For Bidirectional types with V<sub>WM</sub> of 8 volts or less, the maximum leakage current (ID) specification is doubled.  
 3) JEDEC types are not available as bidirectional devices.

**SYMBOLS AND ABBREVIATIONS:**

V<sub>WM</sub> = Rated Stand-Off Voltage  
 I<sub>pp</sub> = Peak Pulse Current  
 Vc(Max) = Maximum Clamping Voltage

V (BR) = Breakdown Voltage  
 I<sub>T</sub> = Test Current  
 I<sub>D</sub> = Reverse Leakage  
 aV (BR) = Max Temp. Coefficient of V (BR) / TA = -55 to 100°C