

TRANSIENT VOLTAGE SUPPRESSORS

400W TVS / DO-41



MCC PART NUMBER		BREAKDOWN VOLTAGE $V_{(BR)} @ I_T$ (VOLTS)		TEST CURRENT I_T	RATED STANDOFF VOLTAGE V_{WM}	MAXIMUM REVERSE LEAKAGE $I_D @ V_{WM}$	MAXIMUM CLAMPING VOLTAGE $V_C @ I_{PP}$	MAXIMUM PEAK PULSE CURRENT I_{PP}	MAX. TEMP COEFFICIENT OF V_{BR} $V_{(BR)} (TA)$ -55°C TO 100°C
		MIN	MAX	mADC	V	(μ A)	V	A	% / °C
P4KE6.8A	P4KE6.8 C A	6.45	7.14	10	5.80	1000	10.5	38	.057
P4KE7.5A	P4KE7.5 C A	7.13	7.88	10	6.40	500	11.3	35	.061
P4KE8.2A	P4KE8.2 C A	7.79	8.61	10	7.02	200	12.1	33	.065
P4KE9.1A	P4KE9.1 C A	8.65	9.55	1.0	7.78	50	13.4	30	.068
P4KE10A	P4KE10 C A	9.50	10.5	1.0	8.55	10	14.5	28	.073
P4KE11A	P4KE11 C A	10.5	11.6	1.0	9.40	5	15.6	26	.075
P4KE12A	P4KE12 C A	11.4	12.6	1.0	10.2	5	16.7	24	.078
P4KE13A	P4KE13 C A	12.4	13.7	1.0	11.1	1	18.2	22	.081
P4KE15A	P4KE15 C A	14.3	15.8	1.0	12.8	1	21.2	19	.084
P4KE16A	P4KE16 C A	15.2	16.8	1.0	13.6	1	22.5	18	.086
P4KE18A	P4KE18 C A	17.1	18.0	1.0	15.3	1	25.2	16	.088
P4KE20A	P4KE20 C A	19.0	21.0	1.0	17.1	1	27.7	14.5	.090
P4KE22A	P4KE22 C A	20.9	23.1	1.0	18.8	1	30.6	13	.092
P4KE24A	P4KE24 C A	22.8	25.2	1.0	20.5	1	33.2	12	.094
P4KE27A	P4KE27 C A	25.7	28.4	1.0	23.1	1	37.5	11	.096
P4KE30A	P4KE30 C A	28.5	31.5	1.0	25.6	1	41.4	9.5	.097
P4KE33A	P4KE33 C A	31.4	34.7	1.0	28.2	1	45.7	9.0	.098
P4KE36A	P4KE36 C A	34.2	37.8	1.0	30.8	1	49.9	8.0	.099
P4KE39A	P4KE39 C A	37.1	41.0	1.0	33.3	1	53.9	7.5	.100
P4KE43A	P4KE43 C A	40.9	45.2	1.0	36.8	1	59.3	7.0	.101
P4KE47A	P4KE47 C A	44.7	49.4	1.0	40.2	1	64.8	6.2	.101
P4KE51A	P4KE51 C A	48.5	53.6	1.0	43.6	1	70.1	5.7	.102
P4KE56A	P4KE56 C A	53.2	58.8	1.0	47.8	1	77.0	5.2	.103
P4KE62A	P4KE62 C A	58.9	65.1	1.0	53.0	1	85.0	4.7	.104
P4KE68A	P4KE68 C A	64.6	71.4	1.0	58.1	1	92.0	4.4	.104
P4KE75A	P4KE75 C A	71.3	78.8	1.0	64.1	1	103	3.9	.105
P4KE82A	P4KE82 C A	77.9	86.1	1.0	70.1	1	113	3.5	.105
P4KE91A	P4KE91 C A	86.5	95.5	1.0	77.8	1	125	3.2	.106
P4KE100A	P4KE100 C A	95.0	105	1.0	85.5	1	137	2.9	.106
P4KE110A	P4KE110 C A	105	116	1.0	94.0	1	152	2.6	.107
P4KE120A	P4KE120 C A	114	126	1.0	102	1	165	2.4	.107
P4KE130A	P4KE130 C A	124	137	1.0	111	1	179	2.2	.107
P4KE150A	P4KE150 C A	143	158	1.0	128	1	207	1.95	.108
P4KE160A	P4KE160 C A	152	168	1.0	136	1	219	1.8	.108
P4KE170A	P4KE170 C A	162	179	1.0	145	1	234	1.7	.108
P4KE180A	P4KE180 C A	171	189	1.0	154	1	246	1.6	.108
P4KE200A	P4KE200 C A	190	210	1.0	171	1	274	1.5	.108
P4KE220A	P4KE220 C A	209	231	1.0	185	1	328	1.0	.110
P4KE250A	P4KE250 C A	237	263	1.0	214	1	344	1.0	.110
P4KE300A	P4KE300 C A	285	315	1.0	256	1	414	1.0	.110
P4KE350A	P4KE350 C A	333	368	1.0	300	1	482	1.0	.110
P4KE400A	P4KE400 C A	380	420	1.0	342	1	548	1.0	.110
P4KE440A	P4KE440 C A	418	462	1.0	376	1	602	0.68	.110
P4KE480A	P4KE480 C A	456	504	1.0	408	1	658	0.61	.110
P4KE510A	P4KE510 C A	485	535	1.0	434	1	698	0.57	.110
P4KE530A	P4KE530 C A	503.5	556.5	1.0	450	1	725	0.55	.110
P4KE540A	P4KE540 C A	513	567	1.0	459	1	740	0.54	.110
P4KE550A	P4KE550 C A	522.5	577.5	1.0	467	1	760	0.52	.110

Note: Suffix 'A' denotes 5% VBR tolerance, and 'C' denotes bi-directional, no suffix denote s 10% VBR tolerance and uni-directional.



Micro Commercial Components™

RU[®] E331408



500W TVS / DO-15

MCC PART NUMBER		BREAKDOWN VOLTAGE $V_{(BR)} @ I_T$ (VOLTS)			TEST CURRENT I_T mADC	RATED STANDOFF VOLTAGE V_{WM} V	MAXIMUM REVERSE LEAKAGE $I_D @ V_{WM}$ (μ A)	MAXIMUM CLAMPING VOLTAGE $V_C @ I_{PP}$ V	MAXIMUM PEAK PULSE CURRENT I_{PP} A
		MIN	NOM	MAX					
P5KE5.0 A	P5KE5.0 CA	6.4	5.0	7.0	10	5.0	600	9.2	54.3
P5KE6.0 A	P5KE6.0 CA	6.67	6.0	7.37	10	6.0	600	10.3	48.5
P5KE6.5 A	P5KE6.5 CA	7.22	6.5	7.98	10	6.5	400	11.2	44.7
P5KE7.0 A	P5KE7.0 CA	7.78	7.0	8.6	10	7.0	150	12.0	41.7
P5KE7.5 A	P5KE7.5 CA	8.33	7.5	9.21	1.0	7.5	50	12.9	38.8
P5KE8.0 A	P5KE8.0 CA	8.89	8.0	9.8	1.0	8.0	25	13.6	36.7
P5KE8.5 A	P5KE8.5 CA	9.44	8.5	10.4	1.0	8.5	10	14.4	34.7
P5KE9.0 A	P5KE9.0 CA	10.0	9.0	11.1	1.0	9.0	5.0	15.4	32.5
P5KE10 A	P5KE10 CA	11.1	10	12.3	1.0	10	3.0	17.0	29.4
P5KE11 A	P5KE11 CA	12.2	11	13.5	1.0	11	3.0	18.2	27.4
P5KE12 A	P5KE12 CA	13.3	12	14.7	1.0	12	3.0	19.9	25.1
P5KE13 A	P5KE13 CA	14.4	13	15.9	1.0	13	3.0	21.5	23.2
P5KE14 A	P5KE14 CA	15.6	14	17.2	1.0	14	3.0	23.2	21.5
P5KE15 A	P5KE15 CA	16.7	15	18.5	1.0	15	3.0	24.4	20.6
P5KE16 A	P5KE16 CA	17.8	16	19.7	1.0	16	3.0	26.0	19.2
P5KE17 A	P5KE17 CA	18.9	17	20.9	1.0	17	3.0	27.6	18.1
P5KE18 A	P5KE18 CA	20.0	18	22.1	1.0	18	3.0	29.2	17.2
P5KE20 A	P5KE20 CA	22.2	20	24.5	1.0	20	3.0	32.4	15.4
P5KE22 A	P5KE22 CA	24.4	22	26.9	1.0	22	3.0	35.5	14.1
P5KE24 A	P5KE24 CA	26.7	24	29.5	1.0	24	3.0	38.9	12.8
P5KE26 A	P5KE26 CA	28.9	26	31.9	1.0	26	3.0	42.1	11.9
P5KE28 A	P5KE28 CA	31.1	28	34.4	1.0	28	3.0	45.4	11.0
P5KE30 A	P5KE30 CA	33.3	30	36.8	1.0	30	3.0	48.4	10.3
P5KE33 A	P5KE33 CA	36.7	33	40.6	1.0	33	3.0	53.3	9.4
P5KE36 A	P5KE36 CA	40.0	36	44.2	1.0	36	3.0	58.1	8.6
P5KE40 A	P5KE40 CA	44.4	40	49.1	1.0	40	3.0	64.5	7.8
P5KE43 A	P5KE43 CA	47.8	43	52.8	1.0	43	3.0	69.4	7.2
P5KE45 A	P5KE45 CA	50.0	45	55.3	1.0	45	3.0	72.7	6.9
P5KE48 A	P5KE48 CA	53.3	48	58.9	1.0	48	3.0	77.4	6.5
P5KE51 A	P5KE51 CA	56.7	51	62.7	1.0	51	3.0	82.4	6.1
P5KE54 A	P5KE54 CA	60.0	54	66.3	1.0	54	3.0	87.1	5.7
P5KE58 A	P5KE58 CA	64.4	58	71.2	1.0	58	3.0	93.6	5.3
P5KE60 A	P5KE60 CA	66.7	60	73.7	1.0	60	3.0	96.8	5.2
P5KE64 A	P5KE64 CA	71.1	64	78.6	1.0	64	3.0	103	4.9
P5KE70 A	P5KE70 CA	77.8	70	86	1.0	70	3.0	113	4.4
P5KE75 A	P5KE75 CA	83.3	75	92.1	1.0	75	3.0	121	4.1
P5KE78 A	P5KE78 CA	86.7	78	95.8	1.0	78	3.0	126	4.0
P5KE85 A	P5KE85 CA	94.4	85	104	1.0	85	3.0	137	3.6
P5KE90 A	P5KE90 CA	100	90	111	1.0	90	3.0	146	3.4
P5KE100 A	P5KE100 CA	111	100	123	1.0	100	3.0	162	3.1
P5KE110 A	P5KE110 CA	122	110	135	1.0	110	3.0	177	2.8
P5KE120 A	P5KE120 CA	133	120	147	1.0	120	3.0	193	2.0
P5KE130 A	P5KE130 CA	144	130	159	1.0	130	3.0	209	2.4
P5KE150 A	P5KE150 CA	167	150	185	1.0	150	3.0	243	2.1
P5KE160 A	P5KE160 CA	178	160	197	1.0	160	3.0	259	1.9
P5KE170 A	P5KE170 CA	189	170	209	1.0	170	3.0	275	1.8
P5KE180 A	P5KE180 CA	198	180	230.4	1.0	180	3.0	292	1.7
P5KE190 A	P5KE190 CA	209	190	243.2	1.0	190	3.0	308	1.6
P5KE200 A	P5KE200 CA	220	200	256.0	1.0	200	3.0	324	1.5

Note: Suffix 'A' denotes 5% VBR tolerance, and 'C' denotes bi-directional, no suffix denote s 10% VBR tolerance and uni-directional.



500W ~600W TVS / DO-15

MCC PART NUMBER	STAND-OFF VOLTAGE V_{WM}	MINIMUM BREAKDOWN VOLTAGE AT $I_T=1.0Ma$ $V_{(BR)}$	MAXIMUM REVERSE LEAKAGE AT V_{WM} I_R	MAXIMUM CLAMPING VOLTAGE AT $I_{PP}=5.0A$ V_C	MAXIMUM PEAK PULSE CURRENT I_{PP}	MAXIMUM JUNCTION CAPACITANCE AT 0 VOLTS	WORKING INVERSE BLOCKING VOLTAGE V_{WIB}	PEAK INVERSE BLOCKING VOLTAGE V_{PIB}
	V	V	μA	V	Amps	pF	V	V
SAC5.0	5.0	7.60	300	10.0	44.0	50	75	100
SAC6.0	6.0	7.90	300	11.2	41.0	50	75	100
SAC7.0	7.0	8.33	300	12.6	38.0	50	75	100
SAC8.0	8.0	8.89	100	13.4	36.0	50	75	100
SAC8.5	8.5	9.44	50	14.0	34.0	50	75	100
SAC10	10.0	11.10	5	16.3	29.0	50	75	100
SAC12	12.0	13.30	5	19.0	25.0	50	75	100
SAC15	15.0	16.70	5	23.6	20.0	50	75	100
SAC18	18.0	20.00	5	28.8	15.0	50	75	100
SAC22	22.0	24.40	5	35.4	14.0	50	75	100
SAC26	26.0	28.90	5	42.3	11.1	50	75	100
SAC30	30.0	33.30	5	48.6	10.0	50	75	100
SAC36	36.0	40.00	5	60.0	8.6	50	75	100
SAC45	45.0	50.00	5	77.0	6.8	50	150	200
SAC50	50.0	55.50	5	88.0	5.8	50	150	200
SAC136	136	150	1	219V@2.7A	2.7	35	700	700



500W TVS / DO-15

MCC PART NUMBER		REVERSE STAND-OFF VOLTAGE V_{WM}	BREAKDOWN VOLTAGE $V_{(BR)}$ @ I_T (VOLTS)			MAXIMUM CLAMPING VOLTAGE @ I_{PP} (VOLTS)	PEAK PULSE CURRENT I_{PP} (AMPS)	MAXIMUM REVERSE LEAKAGE @ V_{WM} I_D (μA)	MAXIMUM TEMPERATURE COEFFICIENT OF V_{BR} -55°C TO 150°C % / °C
			MIN	MAX	I_T (mA)				
SA5.0A	SA5.0CA	5.0	6.40	7.00	10	9.2	54.3	600	.057
SA6.0A	SA6.0CA	6.0	6.67	7.37	10	10.3	48.5	600	.059
SA6.5A	SA6.5CA	6.5	7.22	7.98	10	11.2	44.7	400	.061
SA7.0A	SA7.0CA	7.0	7.78	8.60	10	12.0	41.7	150	.065
SA7.5A	SA7.5CA	7.5	8.33	9.21	1.0	12.9	38.8	50	.067
SA8.0A	SA8.0CA	8.0	8.89	9.83	1.0	13.6	36.7	25	.070
SA8.5A	SA8.5CA	8.5	9.44	10.4	1.0	14.4	34.7	10	.073
SA9.0A	SA9.0CA	9.0	10.0	11.1	1.0	15.4	32.5	1.0	.076
SA10A	SA10CA	10	11.1	12.3	1.0	17.0	29.4	1.0	.078
SA11A	SA11CA	11	12.2	13.5	1.0	18.2	27.4	1.0	.081
SA12A	SA12CA	12	13.3	14.7	1.0	19.9	25.1	1.0	.082
SA13A	SA13CA	13	14.4	15.9	1.0	21.5	23.2	1.0	.084
SA14A	SA14CA	14	15.6	17.2	1.0	23.2	21.5	1.0	.086
SA15A	SA15CA	15	16.7	18.5	1.0	24.4	20.6	1.0	.087
SA16A	SA16CA	16	17.8	19.7	1.0	26.0	19.2	1.0	.088
SA17A	SA17CA	17	18.9	20.9	1.0	27.6	18.1	1.0	.090
SA18A	SA18CA	18	20.0	22.1	1.0	29.2	17.2	1.0	.092
SA20A	SA20CA	20	22.2	24.5	1.0	32.4	15.4	1.0	.093
SA22A	SA22CA	22	24.4	26.9	1.0	35.5	14.1	1.0	.094
SA24A	SA24CA	24	26.7	29.5	1.0	38.9	12.8	1.0	.096
SA26A	SA26CA	26	28.9	31.9	1.0	42.1	11.9	1.0	.097

Note: Suffix 'A' denotes 5% VBR tolerance, and 'C' denotes bi-directional, no suffix denote s 10% VBR tolerance and uni-directional.

500W TVS / DO-15



MCC PART NUMBER		REVERSE STAND-OFF VOLTAGE V_{WM} (VOLTS)	BREAKDOWN VOLTAGE $V_{(BR)} @ I_T$ (VOLTS)			MAXIMUM CLAMPING VOLTAGE @ I_{PP} (VOLTS)	PEAK PULSE CURRENT I_{PP} (AMPS)	MAXIMUM REVERSE LEAKAGE @ V_{WM} I_D (μ A)	MAXIMUM TEMPERATURE COEFFICIENT OF V_{BR} -55°C TO 150°C % / °C
			MIN	MAX	I_T (mA)				
SA28A	SA28CA	28	31.1	34.4	1.0	45.4	11.0	1.0	.098
SA30A	SA30CA	30	33.3	36.8	1.0	48.4	10.3	1.0	.099
SA33A	SA33CA	33	36.7	40.6	1.0	53.3	9.4	1.0	.100
SA36A	SA36CA	36	40.0	44.2	1.0	58.1	8.6	1.0	.101
SA40A	SA40CA	40	44.4	49.1	1.0	64.5	7.8	1.0	.101
SA43A	SA43CA	43	47.8	52.8	1.0	69.4	7.2	1.0	.102
SA45A	SA45CA	45	50.0	55.3	1.0	72.7	6.9	1.0	.102
SA48A	SA48CA	48	53.3	58.9	1.0	77.4	6.5	1.0	.103
SA51A	SA51CA	51	56.7	62.7	1.0	82.4	6.1	1.0	.103
SA54A	SA54CA	54	60.0	66.3	1.0	87.1	5.7	1.0	.104
SA58A	SA58CA	58	64.4	71.2	1.0	93.6	5.3	1.0	.104
SA60A	SA60CA	60	66.7	73.7	1.0	96.8	5.2	1.0	.104
SA64A	SA64CA	64	71.1	78.6	1.0	103	4.9	1.0	.105
SA70A	SA70CA	70	77.8	86.0	1.0	113	4.4	1.0	.105
SA75A	SA75CA	75	83.3	92.1	1.0	121	4.1	1.0	.105
SA78A	SA78CA	78	86.7	95.8	1.0	126	4.0	1.0	.106
SA85A	SA85CA	85	94.4	104	1.0	137	3.6	1.0	.106
SA90A	SA90CA	90	100	111	1.0	146	3.4	1.0	.107
SA100A	SA100CA	100	111	123	1.0	162	3.1	1.0	.107
SA110A	SA110CA	110	122	135	1.0	177	2.8	1.0	.107
SA120A	SA120CA	120	133	147	1.0	193	2.0	1.0	.107
SA130A	SA130CA	130	144	159	1.0	209	2.4	1.0	.108
SA150A	SA150CA	150	167	185	1.0	243	2.1	1.0	.108
SA160A	SA160CA	160	178	197	1.0	259	1.9	1.0	.108
SA170A	SA170CA	170	189	209	1.0	275	1.8	1.0	.108

Note: Suffix 'A' denotes 5% VBR tolerance, and 'C' denotes bi-directional, no suffix denote s 10% VBR tolerance and uni-directional.

600W TVS / DO-15



MCC PART NUMBER		BREAKDOWN VOLTAGE $V_{(BR)} @ I_T$ (VOLTS)		TEST CURRENT I_T (mA)	RATED STANDOFF VOLTAGE V_{WM} (V)	MAXIMUM REVERSE LEAKAGE $I_D @ V_{WM}$ (μ A)	MAXIMUM CLAMPING VOLTAGE $V_C @ I_{PP}$ (V)	MAXIMUM PEAK PULSE CURRENT I_{PP} (A)
		MIN	MAX					
P6KE6.8A	P6KE6.8CA	6.45	7.14	10	5.8	1000	10.5	57
P6KE7.5A	P6KE7.5CA	7.13	7.88	10	6.4	500	11.3	53
P6KE8.2A	P6KE8.2CA	7.79	8.61	10	7.02	200	12.1	50
P6KE9.1A	P6KE9.1CA	8.65	9.55	1.0	7.78	50	13.4	45
P6KE10A	P6KE10CA	9.5	10.5	1.0	8.55	10	14.5	41
P6KE11A	P6KE11CA	10.5	11.6	1.0	9.4	5.0	15.6	38
P6KE12A	P6KE12CA	11.4	12.6	1.0	10.2	5.0	16.7	36
P6KE13A	P6KE13CA	12.4	13.7	1.0	11.1	5.0	18.2	33
P6KE15A	P6KE15CA	14.3	15.8	1.0	12.8	5.0	21.2	28
P6KE16A	P6KE16CA	15.2	16.8	1.0	13.6	5.0	22.5	27
P6KE18A	P6KE18CA	17.1	18.9	1.0	15.3	5.0	25.2	24
P6KE20A	P6KE20CA	19	21	1.0	17.1	5.0	27.7	22
P6KE22A	P6KE22CA	20.9	23.1	1.0	18.8	5.0	30.6	20
P6KE24A	P6KE24CA	22.8	25.2	1.0	20.5	5.0	33.2	18

Note: Suffix 'A' denotes 5% VBR tolerance, and 'C' denotes bi-directional, no suffix denote s 10% VBR tolerance and uni-directional.



600W TVS / DO-15

MCC PART NUMBER		BREAKDOWN VOLTAGE $V_{(BR)} @ I_T$ (VOLTS)		TEST CURRENT I_T mADC	RATED STANDOFF VOLTAGE V_{WM} V	MAXIMUM REVERSE LEAKAGE $I_D @ V_{WM}$ (μ A)	MAXIMUM CLAMPING VOLTAGE $V_C @ I_{PP}$ V	MAXIMUM PEAK PULSE CURRENT I_{PP} A
		MIN	MAX					
P6KE27A	P6KE27CA	25.7	28.4	1.0	23.1	5.0	37.5	16
P6KE30A	P6KE30CA	28.5	31.5	1.0	25.6	5.0	41.4	14.4
P6KE33A	P6KE33CA	31.4	34.7	1.0	28.2	5.0	45.7	13.2
P6KE36A	P6KE36CA	34.2	37.8	1.0	30.8	5.0	49.9	12
P6KE39A	P6KE39CA	37.1	41	1.0	33.3	5.0	53.9	11.2
P6KE43A	P6KE43CA	40.9	45.2	1.0	36.8	5.0	59.3	10.1
P6KE47A	P6KE47CA	44.7	49.4	1.0	40.2	5.0	64.8	9.3
P6KE51A	P6KE51CA	48.5	53.6	1.0	43.6	5.0	70.1	8.6
P6KE56A	P6KE56CA	53.2	58.8	1.0	47.8	5.0	77	7.8
P6KE62A	P6KE62CA	58.9	65.1	1.0	53	5.0	85	7.1
P6KE68A	P6KE68CA	64.6	71.4	1.0	58.1	5.0	92	6.5
P6KE75A	P6KE75CA	71.3	78.8	1.0	64.1	5.0	103	5.8
P6KE82A	P6KE82CA	77.9	86.1	1.0	70.1	5.0	113	5.3
P6KE91A	P6KE91CA	86.5	95.5	1.0	77.8	5.0	125	4.8
P6KE100A	P6KE100CA	95	105	1.0	85.5	5.0	137	4.4
P6KE110A	P6KE110CA	105	116	1.0	94	5.0	152	3.4
P6KE120A	P6KE120CA	114	126	1.0	102	5.0	165	3.6
P6KE130A	P6KE130CA	124	137	1.0	111	5.0	179	3.3
P6KE150A	P6KE150CA	143	158	1.0	128	5.0	207	2.9
P6KE160A	P6KE160CA	152	168	1.0	136	5.0	219	2.7
P6KE170A	P6KE170CA	161	179	1.0	145	5.0	234	2.6
P6KE180A	P6KE180CA	171	189	1.0	154	5.0	246	2.4
P6KE200A	P6KE200CA	190	210	1.0	171	5.0	274	2.2
P6KE220A	P6KE220CA	209	231	1.0	185	5.0	328	1.9
P6KE250A	P6KE250CA	237	263	1.0	214	5.0	344	1.8
P6KE300A	P6KE300CA	285	315	1.0	256	5.0	414	1.5
P6KE350A	P6KE350CA	333	368	1.0	300	5.0	482	1.3
P6KE400A	P6KE400CA	380	420	1.0	342	5.0	548	1.1
P6KE440A	P6KE440CA	418	462	1.0	376	5.0	602	1.0
P6KE480A	P6KE480CA	456	504	1.0	408	5.0	658	0.9
P6KE510A	P6KE510CA	485	535	1.0	434	5.0	698	0.9
P6KE530A	P6KE530CA	503.5	556.5	1.0	450	5.0	725	0.8
P6KE540A	P6KE540CA	513	567	1.0	459	5.0	740	0.8
P6KE550A	P6KE550CA	522.5	577.5	1.0	467	5.0	760	0.8
P6KE600A	P6KE600CA	570	630	1.0	512	5.0	828	0.75

Note: Suffix 'A' denotes 5% VBR tolerance, and 'C' denotes bi-directional, no suffix denote s 10% VBR tolerance and uni-directional.



1500W TVS / DO-201AE

MCC PART NUMBER		BREAKDOWN VOLTAGE $V_{(BR)} @ I_T$ (VOLTS)		TEST CURRENT I_T mADC	RATED STANDOFF VOLTAGE V_{WM} V	MAXIMUM REVERSE LEAKAGE $I_D @ V_{WM}$ (μ A)	MAXIMUM CLAMPING VOLTAGE $V_C @ I_{PP}$ V	MAXIMUM PEAK PULSE CURRENT I_{PP} A
		MIN	MAX					
1.5KE6.8A	1.5KE6.8CA	6.45	7.14	10	5.80	1000	10.5	144.8
1.5KE7.5A	1.5KE7.5CA	7.13	7.88	10	6.40	500	11.3	134.5
1.5KE8.2A	1.5KE8.2CA	7.79	8.61	10	7.02	200	12.1	125.6
1.5KE9.1A	1.5KE9.1CA	8.65	9.55	1.0	7.78	50	13.4	113.4
1.5KE10A	1.5KE10CA	9.50	10.5	1.0	8.55	10	14.5	104.8
1.5KE11A	1.5KE11CA	10.5	11.6	1.0	9.40	5.0	15.6	97.4
1.5KE12A	1.5KE12CA	11.4	12.6	1.0	10.2	5.0	16.7	91.0
1.5KE13A	1.5KE13CA	12.4	13.7	1.0	11.1	5.0	18.2	83.5
1.5KE15A	1.5KE15CA	14.3	15.8	1.0	12.8	5.0	21.2	71.7
1.5KE16A	1.5KE16CA	15.2	16.8	1.0	13.6	5.0	22.5	67.6
1.5KE18A	1.5KE18CA	17.1	18.9	1.0	15.3	5.0	25.2	60.3
1.5KE20A	1.5KE20CA	19.0	21.0	1.0	17.1	5.0	27.7	54.9
1.5KE22A	1.5KE22CA	20.9	23.1	1.0	18.8	5.0	30.6	49.7
1.5KE24A	1.5KE24CA	22.8	25.2	1.0	20.5	5.0	33.2	45.8
1.5KE27A	1.5KE27CA	25.7	28.4	1.0	23.1	5.0	37.5	40.5
1.5KE30A	1.5KE30CA	28.5	31.5	1.0	25.6	5.0	41.4	36.7
1.5KE33A	1.5KE33CA	31.4	34.7	1.0	28.2	5.0	45.7	33.3
1.5KE36A	1.5KE36CA	34.2	37.8	1.0	30.8	5.0	49.9	30.5
1.5KE39A	1.5KE39CA	37.1	41.0	1.0	33.3	5.0	53.9	28.2
1.5KE43A	1.5KE43CA	40.9	45.2	1.0	36.8	5.0	59.3	25.6
1.5KE47A	1.5KE47CA	44.7	49.4	1.0	40.2	5.0	64.8	23.5
1.5KE51A	1.5KE51CA	48.5	53.6	1.0	43.6	5.0	70.1	21.7
1.5KE56A	1.5KE56CA	53.2	58.8	1.0	47.8	5.0	77.0	19.7
1.5KE62A	1.5KE62CA	58.9	65.1	1.0	53.0	5.0	85.0	17.9
1.5KE68A	1.5KE68CA	64.6	71.4	1.0	58.1	5.0	92.0	16.5
1.5KE75A	1.5KE75CA	71.3	78.8	1.0	64.1	5.0	103	14.8
1.5KE82A	1.5KE82CA	77.9	86.1	1.0	70.1	5.0	113	13.5
1.5KE91A	1.5KE91CA	86.5	95.5	1.0	77.8	5.0	125	12.2
1.5KE100A	1.5KE100CA	95.0	105	1.0	85.5	5.0	137	11.1
1.5KE110A	1.5KE110CA	105	116	1.0	94.0	5.0	152	10.0
1.5KE120A	1.5KE120CA	114	126	1.0	102	5.0	165	9.2
1.5KE130A	1.5KE130CA	124	137	1.0	111	5.0	179	8.5
1.5KE150A	1.5KE150CA	143	158	1.0	128	5.0	207	7.3
1.5KE160A	1.5KE160CA	152	168	1.0	136	5.0	219	6.9
1.5KE170A	1.5KE170CA	162	179	1.0	145	5.0	234	6.5
1.5KE180A	1.5KE180CA	171	189	1.0	154	5.0	246	6.2
1.5KE200A	1.5KE200CA	190	210	1.0	171	5.0	274	5.5
1.5KE220A	1.5KE220CA	209	231	1.0	185	5.0	328	4.6
1.5KE250A	1.5KE250CA	237	263	1.0	214	5.0	344	4.4
1.5KE300A	1.5KE300CA	285	315	1.0	256	5.0	414	3.7
1.5KE350A	1.5KE350CA	333	368	1.0	300	5.0	482	3.2
1.5KE400A	1.5KE400CA	380	420	1.0	342	5.0	548	2.8
1.5KE440A	1.5KE440CA	418	462	1.0	376	5.0	602	2.5
1.5KE480A	1.5KE480CA	456	504	1.0	408	5.0	658	2.3
1.5KE510A	1.5KE510CA	485	535	1.0	434	5.0	698	2.1
1.5KE530A	1.5KE530CA	503.5	556.5	1.0	450	5.0	725	2.1
1.5KE540A	1.5KE540CA	513	567	1.0	459	5.0	740	2.0
1.5KE550A	1.5KE550CA	522.5	577.5	1.0	467	5.0	760	2.0

Note: Suffix 'A' denotes 5% VBR tolerance, and 'C' denotes bi-directional, no suffix denote s 10% VBR tolerance and uni-directional.



1500W TVS / DO-201AE

MCC PART NUMBER	STAND-OFF VOLTAGE (NOTE 1)	MINIMUM BREAKDOWN VOLTAGE AT $I_T=1.0mA$		MAXIMUM REVERSE LEAKAGE AT V_{WM}	MAXIMUM CLAMPING VOLTAGE V_C	MAXIMUM PEAK PULSE CURRENT I_{PP}	MAXIMUM JUNCTION CAPACITANCE AT 0 VOLTS	WORKING INVERSE BLOCKING VOLTAGE V_{WIB}	PEAK INVERSE BLOCKING VOLTAGE V_{PIB}
	V_{WM}	$V_{(BR)}$							
LCE6.5A	6.5	7.22	7.98*	1000	11.2	100	100	1.0	100
LCE7.0A	7.0	7.78	8.60*	500	12.0	100	100	1.0	100
LCE7.5A	7.5	8.33	9.21*	250	12.9	100	100	1.0	100
LCE8.0A	8.0	8.89	9.83	100	13.6	100	100	1.0	100
LCE8.5A	8.5	9.44	10.40	50	14.4	100	100	1.0	100
LCE9.0A	9.0	10.00	11.10	10	15.4	97	100	1.0	100
LCE10A	10.0	11.10	12.30	5	17.0	88	100	1.0	100
LCE11A	11.0	12.20	13.50	5	18.2	82	100	1.0	100
LCE12A	12.0	13.30	14.70	5	19.9	75	100	1.0	100
LCE13A	13.0	14.40	15.90	5	21.5	70	100	1.0	100
LCE14A	14.0	15.60	17.20	5	23.2	65	100	1.0	100
LCE15A	15.0	16.70	18.50	5	24.4	61	100	1.0	100
LCE16A	16.0	17.80	19.70	5	26.0	57	100	1.0	100
LCE17A	17.0	18.90	20.90	5	27.6	54	100	1.0	100
LCE18A	18.0	20.00	22.10	5	29.2	51	100	1.0	100
LCE20A	20.0	22.20	24.50	5	32.4	46	100	1.0	100
LCE22A	22.0	24.40	26.90	5	35.5	42	100	1.0	100
LCE24A	24.0	26.70	29.50	5	38.9	39	100	1.0	100
LCE26A	26.0	28.90	31.90	5	42.1	36	100	1.0	100
LCE28A	28.0	31.10	34.40	5	45.5	33	100	1.0	100

* Test current: 10mA



3000W TVS / R-6

MCC PART NUMBER		REVERSE STAND-OFF VOLTAGE V_{WM} (VOLTS)	BREAKDOWN VOLTAGE $V_{(BR)}$ @ I_T (VOLTS)			MAXIMUM CLAMPING VOLTAGE @ I_{PP} (VOLTS)	PEAK PULSE CURRENT I_{PP} (AMPS)	MAXIMUM REVERSE LEAKAGE @ V_{WM} I_b (μA)
			MIN	MAX	I_T (mA)			
3KP5.0 A	3KP5.0 CA	5.0	6.40	7.00	50	9.2	326.0	5000
3KP6.0 A	3KP6.0 CA	6.0	6.67	7.37	50	10.3	291.3	5000
3KP6.5 A	3KP6.5 CA	6.5	7.22	7.98	5.0	11.2	267.9	2000
3KP7.0 A	3KP7.0 CA	7.0	7.78	8.60	5.0	12.0	250.0	1000
3KP7.5 A	3KP7.5 CA	7.5	8.33	9.21	5.0	12.9	232.6	250
3KP8.0 A	3KP8.0 CA	8.0	8.89	9.83	5.0	13.6	220.6	150
3KP8.5 A	3KP8.5 CA	8.5	9.44	10.4	5.0	14.4	208.4	50
3KP9.0 A	3KP9.0 CA	9.0	10.0	11.1	5.0	15.4	194.8	20
3KP10 A	3KP10 CA	10	11.1	12.3	5.0	17.0	176.4	15
3KP11 A	3KP11 CA	11	12.2	13.5	5.0	18.2	164.8	10
3KP12 A	3KP12 CA	12	13.3	14.7	5.0	19.9	150.6	10
3KP13 A	3KP13 CA	13	14.4	15.9	5.0	21.5	139.4	10
3KP14 A	3KP14 CA	14	15.6	17.2	5.0	23.2	129.4	10
3KP15 A	3KP15 CA	15	16.7	18.5	5.0	24.4	123.0	10
3KP16 A	3KP16 CA	16	17.8	19.7	5.0	26.0	115.4	10
3KP17 A	3KP17 CA	17	18.9	20.9	5.0	27.6	106.6	10
3KP18 A	3KP18 CA	18	20.0	22.1	5.0	29.2	102.8	10

Note: Suffix 'A' denotes 5% VBR tolerance, and 'C' denotes bi-directional, no suffix denote s 10% VBR tolerance and uni-directional.

3000W TVS / R-6



MCC PART NUMBER		REVERSE STAND-OFF VOLTAGE V_{WM} (VOLTS)	BREAKDOWN VOLTAGE $V_{(BR)} @ I_T$ (VOLTS)			MAXIMUM CLAMPING VOLTAGE @ I_{PP} (VOLTS)	PEAK PULSE CURRENT I_{PP} (AMPS)	MAXIMUM REVERSE LEAKAGE @ V_{WM} I_D (μA)
			MIN	MAX	I_T (mA)			
3KP20 A	3KP20 CA	20	22.2	24.5	5.0	32.4	92.6	10
3KP22 A	3KP22 CA	22	24.4	26.9	5.0	35.5	84.4	10
3KP24 A	3KP24 CA	24	26.7	29.5	5.0	38.9	77.2	10
3KP26 A	3KP26 CA	26	28.9	31.9	5.0	42.1	71.2	10
3KP28 A	3KP28 CA	28	31.1	34.4	5.0	45.4	66.0	10
3KP30 A	3KP30 CA	30	33.3	36.8	5.0	48.4	62.0	10
3KP33 A	3KP33 CA	33	36.7	40.6	5.0	53.3	56.2	10
3KP36 A	3KP36 CA	36	40.0	44.2	5.0	58.1	51.6	10
3KP40 A	3KP40 CA	40	44.4	49.1	5.0	64.5	46.4	10
3KP43 A	3KP43 CA	43	47.8	52.8	5.0	69.4	43.2	10
3KP45 A	3KP45 CA	45	50.0	55.3	5.0	72.7	41.2	10
3KP48 A	3KP48 CA	48	53.3	58.9	5.0	77.4	38.8	10
3KP54 A	3KP54 CA	54	60.0	66.3	5.0	87.1	34.4	10
3KP58 A	3KP58 CA	58	64.4	71.2	5.0	93.6	32.0	10
3KP60 A	3KP60 CA	60	66.7	73.7	5.0	96.8	31.0	10
3KP64 A	3KP64 CA	64	71.1	78.6	5.0	103	29.2	10
3KP70 A	3KP70 CA	70	77.8	86.0	5.0	113	26.6	10
3KP75 A	3KP75 CA	75	83.3	92.1	5.0	121	24.8	10
3KP78 A	3KP78 CA	78	86.7	95.8	5.0	126	22.8	10
3KP85 A	3KP85 CA	85	94.4	104	5.0	137	20.8	10
3KP90 A	3KP90 CA	90	100	111	5.0	146	20.6	10
3KP100 A	3KP100 CA	100	111	123	5.0	162	18.6	10
3KP110 A	3KP110 CA	110	122	135	5.0	177	16.8	10
3KP120 A	3KP120 CA	120	133	147	5.0	193	15.6	10
3KP130 A	3KP130 CA	130	144	159	5.0	209	14.4	10
3KP150 A	3KP150 CA	150	167	185	5.0	243	12.4	10
3KP160 A	3KP160 CA	160	178	197	5.0	259	11.6	10
3KP170 A	3KP170 CA	170	189	209	5.0	275	11.0	10
3KP180 A	3KP180 CA	180	200	221	5.0	289	10.4	10
3KP190 A	3KP190 CA	190	211	233	5.0	310	9.7	10
3KP200 A	3KP200 CA	200	222	246	5.0	329.2	9.1	10
3KP210 A	3KP210 CA	210	233	258	5.0	349.5	8.6	10
3KP220 A	3KP220 CA	220	244	270	5.0	371.1	8.1	10

Note: Suffix 'A' denotes 5% VBR tolerance, and 'C' denotes bi-directional, no suffix denote s 10% VBR tolerance and uni-directional.

5000W TVS / R-6



MCC PART NUMBER		REVERSE STAND-OFF VOLTAGE V_{WM} (VOLTS)	BREAKDOWN VOLTAGE $V_{(BR)} @ I_T$ (VOLTS)			MAXIMUM CLAMPING VOLTAGE @ I_{PP} (VOLTS)	PEAK PULSE CURRENT I_{PP} (AMPS)	MAXIMUM REVERSE LEAKAGE @ V_{WM} I_D (μA)
			MIN	MAX	I_T (mA)			
5KP5.0 A	5KP5.0 CA	5.0	6.40	7.00	5.0	9.2	543	2000
5KP6.0 A	5KP6.0 CA	6.0	6.67	7.37	5.0	10.3	485	5000
5KP6.5 A	5KP6.5 CA	6.5	7.22	7.98	5.0	11.2	447	2000
5KP7.0 A	5KP7.0 CA	7.0	7.78	8.60	5.0	12.0	417	1000
5KP7.5 A	5KP7.5 CA	7.5	8.33	9.21	5.0	12.9	388	250
5KP8.0 A	5KP8.0 CA	8.0	8.89	9.83	5.0	13.6	367	150
5KP8.5 A	5KP8.5 CA	8.5	9.44	10.4	5.0	14.4	347	50

Note: Suffix 'A' denotes 5% VBR tolerance, and 'C' denotes bi-directional, no suffix denote s 10% VBR tolerance and uni-directional.



5000W TVS / R-6

MCC PART NUMBER		REVERSE STAND-OFF VOLTAGE V_{WM} (VOLTS)	BREAKDOWN VOLTAGE V_{BR} @ I_T (VOLTS)			MAXIMUM CLAMPING VOLTAGE @ I_{PP} (VOLTS)	PEAK PULSE CURRENT I_{PP} (AMPS)	MAXIMUM REVERSE LEAKAGE @ V_{WM} I_D (μ A)
			MIN	MAX	I_T (mA)			
5KP9.0 A	5KP9.0 CA	9.0	10.0	11.1	5.0	15.4	325	20
5KP10 A	5KP10 CA	10	11.1	12.3	5.0	17.0	294	15
5KP11 A	5KP11 CA	11	12.2	13.5	5.0	18.2	274	10
5KP12 A	5KP12 CA	12	13.3	14.7	5.0	19.9	251	10
5KP13 A	5KP13 CA	13	14.4	15.9	5.0	21.5	232	10
5KP14 A	5KP14 CA	14	15.6	17.2	5.0	23.2	215	10
5KP15 A	5KP15 CA	15	16.7	18.5	5.0	24.4	206	10
5KP16 A	5KP16 CA	16	17.8	19.7	5.0	26.0	192	10
5KP17 A	5KP17 CA	17	18.9	20.9	5.0	27.6	181	10
5KP18 A	5KP18 CA	18	20.0	22.1	5.0	29.2	172	10
5KP20 A	5KP20 CA	20	22.2	24.5	5.0	32.4	154	10
5KP22 A	5KP22 CA	22	24.4	26.9	5.0	35.5	141	10
5KP24 A	5KP24 CA	24	26.7	29.5	5.0	38.9	128	10
5KP26 A	5KP26 CA	26	28.9	31.9	5.0	42.1	119	10
5KP28 A	5KP28 CA	28	31.1	34.4	5.0	45.4	110	10
5KP30 A	5KP30 CA	30	33.3	36.8	5.0	48.4	103	10
5KP33 A	5KP33 CA	33	36.7	40.6	5.0	53.3	94	10
5KP36 A	5KP36 CA	36	40.0	44.2	5.0	58.1	86	10
5KP40 A	5KP40 CA	40	44.4	49.1	5.0	64.5	78	10
5KP43 A	5KP43 CA	43	47.8	52.8	5.0	69.4	72	10
5KP45 A	5KP45 CA	45	50.0	55.3	5.0	72.7	69	10
5KP48 A	5KP48 CA	48	53.3	58.9	5.0	77.4	65	10
5KP51 A	5KP51 CA	51	56.7	62.7	5.0	82.4	61	10
5KP54 A	5KP54 CA	54	60.0	66.3	5.0	87.1	57	10
5KP58 A	5KP58 CA	58	64.4	71.2	5.0	93.6	53	10
5KP60 A	5KP60 CA	60	66.7	73.7	5.0	96.8	52	10
5KP64 A	5KP64 CA	64	71.1	78.6	5.0	103	49	10
5KP70 A	5KP70 CA	70	77.8	86.0	5.0	113	44	10
5KP75 A	5KP75 CA	75	83.3	92.1	5.0	121	41	10
5KP78 A	5KP78 CA	78	86.7	95.8	5.0	126	40	10
5KP85 A	5KP85 CA	85	94.4	104	5.0	137	36	10
5KP90 A	5KP90 CA	90	100	111	5.0	146	34	10
5KP100 A	5KP100 CA	100	111	123	5.0	162	31	10
5KP110 A	5KP110 CA	110	122	135	5.0	177	28	10
5KP120 A	5KP120 CA	120	133	147	5.0	193	26.4	10
5KP130 A	5KP130 CA	130	144	159	5.0	209	24.4	10
5KP150 A	5KP150 CA	150	167	185	5.0	243	21.0	10
5KP160 A	5KP160 CA	160	178	197	5.0	259	19.7	10
5KP170 A	5KP170 CA	170	189	209	5.0	275	18.5	10
5KP180 A	5KP180 CA	180	200	221	5.0	292	17.5	10
5KP190 A	5KP190 CA	190	211	233	5.0	310	16.5	10
5KP200 A	5KP200 CA	200	222	246	5.0	329.2	15.5	10
5KP220 A	5KP220 CA	220	244	270	5.0	371.1	13.7	10
5KP250 A	5KP250 CA	250	277	306	5.0	425	12.0	10

Note: Suffix 'A' denotes 5% VBR tolerance, and 'C' denotes bi-directional, no suffix denotes 10% VBR tolerance and uni-directional.



15000W TVS / R-6

MCC PART NUMBER		REVERSE STAND-OFF VOLTAGE $V_{RWM}(V)$	BREAKDOWN VOLTAGE $V_{BR}(V)$ MIN. @ I_T	TEST CURRENT $I_T(mA)$	MAXIMUM REVERSE LEAKAGE $I_D @ V_{RWM}$	MAXIMUM CLAMPING VOLTAGE $V_C @ I_{PP}$	MAXIMUM PEAK PULSE CURRENT I_{PP}
		V	V	mA	(μA)	V	A
15KP17 A	15KP17 CA	17	18.9	50	5000	29.3	512
15KP18 A	15KP18 CA	18	20.0	50	5000	30.9	485
15KP20 A	15KP20 CA	20	22.2	20	1500	34.3	437
15KP22 A	15KP22 CA	22	24.4	10	500	37.1	404
15KP24 A	15KP24 CA	24	26.7	5	150	40.5	369
15KP26 A	15KP26 CA	26	28.9	5	50	44.0	347
15KP28 A	15KP28 CA	28	31.1	5	25	47.5	316
15KP30 A	15KP30 CA	30	33.3	5	15	50.7	296
15KP33 A	15KP33 CA	33	36.7	5	10	54.8	274
15KP36 A	15KP36 CA	36	40.0	5	10	59.7	251
15KP40 A	15KP40 CA	40	44.4	5	10	65.8	228
15KP43 A	15KP43 CA	43	47.8	5	10	69.7	215
15KP45 A	15KP45 CA	45	50.0	5	10	73.0	205
15KP48 A	15KP48 CA	48	53.3	5	10	77.7	193
15KP51 A	15KP51 CA	51	56.7	5	10	82.8	181
15KP54 A	15KP54 CA	54	60.0	5	10	87.5	171
15KP58 A	15KP58 CA	58	64.4	5	10	94.0	160
15KP60 A	15KP60 CA	60	66.7	5	10	97.3	154
15KP64 A	15KP64 CA	64	71.1	5	10	104.0	144
15KP70 A	15KP70 CA	70	77.8	5	10	114.0	132
15KP75 A	15KP75 CA	75	83.3	5	10	122.0	123
15KP78 A	15KP78 CA	78	86.7	5	10	126.0	119
15KP85 A	15KP85 CA	85	94.4	5	10	137.0	109
15KP90 A	15KP90 CA	90	100.0	5	10	146.0	103
15KP100 A	15KP100 CA	100	111.0	5	10	162.0	93
15KP110 A	15KP110 CA	110	122.0	5	10	178.0	84
15KP120 A	15KP120 CA	120	133.0	5	10	193.0	78
15KP130 A	15KP130 CA	130	144.0	5	10	209.0	72
15KP150 A	15KP150 CA	150	167.0	5	10	243.0	62
15KP160 A	15KP160 CA	160	178.0	5	10	259.0	58
15KP170 A	15KP170 CA	170	189.0	5	10	275.0	55
15KP180 A	15KP180 CA	180	200.0	5	10	291.0	52
15KP200 A	15KP200 CA	200	222.0	5	10	322.0	47
15KP220 A	15KP220 CA	220	245.0	5	10	356.0	42
15KP240 A	15KP240 CA	240	267.0	5	10	388.0	39
15KP260 A	15KP260 CA	260	289.0	5	10	419.0	36
15KP280 A	15KP280 CA	280	311.0	5	10	452.0	33

Note: Suffix 'A' denotes 5% VBR tolerance, and 'C' denotes bi-directional, no suffix denotes 10% VBR tolerance and uni-directional.



30000W TVS / R-6

MCC PART NUMBER		REVERSE STAND-OFF VOLTAGE $V_{RWM}(V)$	BREAKDOWN VOLTAGE $V_{BR}(V)$ MIN. @ I_T	BREAKDOWN VOLTAGE $V_{BR}(V)$ MAX. @ I_T	TEST CURRENT $I_T(mA)$	MAXIMUM PEAK PULSE CURRENT I_{PP}	MAXIMUM REVERSE LEAKAGE $I_D @ V_{RWM}$	MAXIMUM CLAMPING VOLTAGE $V_C @ I_{PP}$
		V	V	V	mA	A	(μA)	V
30KP28 A	30KP28 CA	28	31.28	34.24	50	606	5000	50
30KP30 A	30KP30 CA	30	33.51	36.69	50	548.9	5000	55.2
30KP33 A	30KP33 CA	33	36.90	40.40	50	517.9	5000	58.5
30KP36 A	30KP36 CA	36	40.20	44.00	50	490.3	5000	61.8
30KP39 A	30KP39 CA	39	43.60	47.70	20	450.9	2000	67.2
30KP42 A	30KP42 CA	42	46.90	51.40	10	420.8	1000	72
30KP43 A	30KP43 CA	43	48.00	52.60	10	415.1	1000	73
30KP45 A	30KP45 CA	45	50.30	55.00	5	391.5	250	77.4
30KP48 A	30KP48 CA	48	53.60	58.70	5	371.3	150	81.6
30KP51 A	30KP51 CA	51	57.00	62.40	5	350.7	50	86.4
30KP54 A	30KP54 CA	54	60.30	66.00	5	331.5	20	91.4
30KP58 A	30KP58 CA	58	64.80	70.90	5	327.9	20	92.4
30KP60 A	30KP60 CA	60	67.00	73.40	5	297.1	15	102
30KP64 A	30KP64 CA	64	71.50	78.30	5	291.3	10	104
30KP66 A	30KP66 CA	66	73.70	80.70	5	283.2	10	107
30KP70 A	30KP70 CA	70	78.20	85.60	5	278	10	109
30KP71 A	30KP71 CA	71	79.30	86.80	5	271.7	10	111.5
30KP72 A	30KP72 CA	72	80.40	88.10	5	265.8	10	114
30KP75 A	30KP75 CA	75	83.80	91.70	5	253.8	10	119.4
30KP78 A	30KP78 CA	78	87.10	95.40	5	234.9	10	129
30KP84 A	30KP84 CA	84	93.80	102.7	5	217.7	10	139.2
30KP90 A	30KP90 CA	90	100.5	110.1	5	207	10	146.4
30KP96 A	30KP96 CA	96	107.2	117.4	5	194.2	10	156
30KP102 A	30KP102 CA	102	113.9	124.7	5	183	10	165.6
30KP108 A	30KP108 CA	108	120.6	132.1	5	172.9	10	175.2
30KP120 A	30KP120 CA	120	134	146.8	5	155.9	10	194.4
30KP132 A	30KP132 CA	132	147.4	161.4	5	142.3	10	213
30KP144 A	30KP144 CA	144	160.8	176.1	5	135.8	10	223.2
30KP150 A	30KP150 CA	150	167.6	183.5	5	129.8	10	233.4
30KP156 A	30KP156 CA	156	174.3	190.8	5	123.7	10	245
30KP160 A	30KP160 CA	160	178.7	195.7	5	120	10	252.6
30KP168 A	30KP168 CA	168	187.7	205.5	5	111.2	10	272.4
30KP170 A	30KP170 CA	170	189.9	207.9	5	110.2	10	275
30KP180 A	30KP180 CA	180	201.1	220.1	5	104.3	10	290.4
30KP198 A	30KP198 CA	198	221.2	242.2	5	94.7	10	319.8
30KP216 A	30KP216 CA	216	241.3	264.2	5	86.9	10	348.6
30KP240 A	30KP240 CA	240	268.1	293.5	5	78.3	10	387
30KP258 A	30KP258 CA	258	288.2	315.5	5	72.8	10	416.4
30KP260 A	30KP260 CA	260	290.4	318	5	72.8	10	416
30KP270 A	30KP270 CA	270	301.6	330.2	5	69.5	10	436.2
30KP280 A	30KP280 CA	280	312.8	342.4	5	35.3	10	464
30KP288 A	30KP288 CA	288	321.7	352.2	5	64.5	10	469.9

Note: Suffix 'A' denotes 5% VBR tolerance, and 'C' denotes bi-directional, no suffix denote s 10% VBR tolerance and uni-directional.



200W TVS / SOD-123FL / SURFACE MOUNT

MCC PART NUMBER		REVERSE STAND-OFF VOLTAGE VWM (VOLTS)	BREAKDOWN VOLTAGE V(BR) @ IT (VOLTS)			MAXIMUM CLAMPING VOLTAGE @ IPP (VOLTS)	PEAK PULSE CURRENT IPP (AMPS)	MAXIMUM REVERSE LEAKAGE @VWM ID (µA)	MARKING CODE	
			MIN	MAX	I _r (mA)				Uni	Bi
SMF5.0A	SMF5.0CA	5.0	6.40	7.00	10	9.2	21.7	400	5.0A	5.0CA
SMF6.0A	SMF6.0CA	6.0	6.67	7.37	10	10.3	19.4	400	6.0A	6.0CA
SMF6.5A	SMF6.5CA	6.5	7.22	7.98	10	11.2	17.9	250	6.5A	6.5CA
SMF7.0A	SMF7.0CA	7.0	7.78	8.60	10	12	16.7	100	7.0A	7.0CA
SMF7.5A	SMF7.5CA	7.5	8.33	9.21	1.0	12.9	15.5	50	7.5A	7.5CA
SMF8.0A	SMF8.0CA	8.0	8.89	9.83	1.0	13.6	14.7	25	8.0A	8.0CA
SMF8.5A	SMF8.5CA	8.5	9.94	10.4	1.0	14.4	13.9	10	8.5A	8.5CA
SMF9.0A	SMF9.0CA	9.0	10	11.1	1.0	15.4	13	5.0	9.0A	9.0CA
SMF10A	SMF10CA	10	11.1	12.3	1.0	17	11.8	2.5	10A	10CA
SMF11A	SMF11CA	11	12.2	13.5	1.0	18.2	11	2.5	11A	11CA
SMF12A	SMF12CA	12	13.3	14.7	1.0	19.9	10.1	2.5	12A	12CA
SMF13A	SMF13CA	13	14.5	15.9	1.0	21.5	9.3	1.0	13A	13CA
SMF14A	SMF14CA	14	15.6	17.2	1.0	23.2	8.6	1.0	14A	14CA
SMF15A	SMF15CA	15	16.7	18.5	1.0	24.4	8.2	1.0	15A	15CA
SMF16A	SMF16CA	16	17.8	19.7	1.0	26	7.7	1.0	16A	16CA
SMF17A	SMF17CA	17	18.9	20.9	1.0	27.6	7.2	1.0	17A	17CA
SMF18A	SMF18CA	18	20.0	22.1	1.0	29.2	6.8	1.0	18A	18CA
SMF20A	SMF20CA	20	22.2	24.5	1.0	32.4	6.2	1.0	20A	20CA
SMF22A	SMF22CA	22	24.4	26.9	1.0	35.5	5.6	1.0	22A	22CA
SMF24A	SMF24CA	24	26.7	29.5	1.0	38.9	5.1	1.0	24A	24CA
SMF26A	SMF26CA	26	28.9	31.9	1.0	42.1	4.8	1.0	26A	26CA
SMF28A	SMF28CA	28	31.1	34.4	1.0	45.4	4.4	1.0	28A	28CA
SMF30A	SMF30CA	30	33.3	36.8	1.0	48.4	4.1	1.0	30A	30CA
SMF33A	SMF33CA	33	36.7	40.6	1.0	53.3	3.8	1.0	33A	33CA
SMF36A	SMF36CA	36	40.0	44.2	1.0	58.1	3.4	1.0	36A	36CA
SMF40A	SMF40CA	40	44.4	49.1	1.0	64.5	3.1	1.0	40A	40CA
SMF43A	SMF43CA	43	47.8	52.8	1.0	69.4	2.9	1.0	43A	43CA
SMF45A	SMF45CA	45	50.0	55.3	1.0	72.7	2.8	1.0	45A	45CA
SMF48A	SMF48CA	48	53.3	58.9	1.0	77.4	2.6	1.0	48A	48CA
SMF51A	SMF51CA	51	56.7	62.7	1.0	82.4	2.4	1.0	51A	51CA
SMF54A	SMF54CA	54	60.0	66.3	1.0	87.1	2.3	1.0	54A	54CA
SMF58A	SMF58CA	58	64.4	71.2	1.0	93.6	2.1	1.0	58A	58CA
SMF60A	SMF60CA	60	66.7	73.7	1.0	96.8	1.8	1.0	60A	60CA
SMF64A	SMF64CA	64	71.1	78.6	1.0	103	1.7	1.0	64A	64CA
SMF70A	SMF70CA	70	77.8	86.0	1.0	113	1.5	1.0	70A	70CA
SMF75A	SMF75CA	75	83.3	92.1	1.0	121	1.4	1.0	75A	75CA
SMF78A	SMF78CA	78	86.7	95.8	1.0	126	1.4	1.0	78A	78CA
SMF85A	SMF85CA	85	94.4	104	1.0	137	1.3	1.0	85A	85CA
SMF90A	SMF90CA	90	100	111	1.0	146	1.2	1.0	90A	90CA
SMF100A	SMF100CA	100	111	123	1.0	162	1.1	1.0	100	100C
SMF110A	SMF110CA	110	122	135	1.0	177	1.0	1.0	110	110C
SMF120A	SMF120CA	120	133	147	1.0	193	0.9	1.0	120	120C
SMF130A	SMF130CA	130	144	159	1.0	209	0.8	1.0	130	130C
SMF150A	SMF150CA	150	167	185	1.0	243	0.7	1.0	150	150C
SMF160A	SMF160CA	160	178	197	1.0	259	0.7	1.0	160	160C
SMF170A	SMF170CA	170	189	209	1.0	275	0.6	1.0	170	170C

Note: Suffix 'A' denotes 5% VBR tolerance, and 'C' denotes bi-directional, no suffix denote s 10% VBR tolerance and uni-directional.



400W TVS / SMA / SURFACE MOUNT

MCC PART NUMBER		REVERSE STAND-OFF VOLTAGE VWM (VOLTS)	BREAKDOWN VOLTAGE V(BR) @ IT (VOLTS)			MAXIMUM CLAMPING VOLTAGE @ IPP (VOLTS)	PEAK PULSE CURRENT IPP (AMPS)	MAXIMUM REVERSE LEAKAGE @VWM ID (µA)	MARKING CODE	
			MIN	MAX	I _T (mA)				Uni	Bi
SMAJ5.0A	SMAJ5.0CA	5.0	6.40	7.00	10	9.2	43.5	800	AE	WE
SMAJ6.0A	SMAJ6.0CA	6.0	6.67	7.37	10	10.3	38.8	800	AG	WG
SMAJ6.5A	SMAJ6.5CA	6.5	7.22	7.98	10	11.2	35.7	500	AK	WK
SMAJ7.0A	SMAJ7.0CA	7.0	7.78	8.60	10	12.0	33.3	200	AM	WM
SMAJ7.5A	SMAJ7.5CA	7.5	8.33	9.21	1.0	12.9	31.0	100	AP	WP
SMAJ8.0A	SMAJ8.0CA	8.0	8.89	9.83	1.0	13.6	29.4	50	AR	WR
SMAJ8.5A	SMAJ8.5CA	8.5	9.44	10.4	1.0	14.4	27.7	20	AT	WT
SMAJ9.0A	SMAJ9.0CA	9.0	10.0	11.1	1.0	15.4	26.0	10	AV	WV
SMAJ10A	SMAJ10CA	10	11.1	12.3	1.0	17.0	23.5	5.0	AX	WX
SMAJ11A	SMAJ11CA	11	12.2	13.5	1.0	18.2	22.0	1.0	AZ	WZ
SMAJ12A	SMAJ12CA	12	13.3	14.7	1.0	19.9	20.1	1.0	BE	XE
SMAJ13A	SMAJ13CA	13	14.4	15.9	1.0	21.5	18.6	1.0	BG	XG
SMAJ14A	SMAJ14CA	14	15.6	17.2	1.0	23.2	17.2	1.0	BK	XK
SMAJ15A	SMAJ15CA	15	16.7	18.5	1.0	24.4	16.4	1.0	BM	XM
SMAJ16A	SMAJ16CA	16	17.8	19.7	1.0	26.0	15.3	1.0	BP	XP
SMAJ17A	SMAJ17CA	17	18.9	20.9	1.0	27.6	14.5	1.0	BR	XR
SMAJ18A	SMAJ18CA	18	20.0	22.1	1.0	29.2	13.7	1.0	BT	XT
SMAJ20A	SMAJ20CA	20	22.2	24.5	1.0	32.4	12.3	1.0	BV	XV
SMAJ22A	SMAJ22CA	22	24.4	26.9	1.0	35.5	11.2	1.0	BX	XX
SMAJ24A	SMAJ24CA	24	26.7	29.5	1.0	38.9	10.3	1.0	BZ	XZ
SMAJ26A	SMAJ26CA	26	28.9	31.9	1.0	42.1	9.6	1.0	CE	YE
SMAJ28A	SMAJ28CA	28	31.1	34.4	1.0	45.4	8.8	1.0	CG	YG
SMAJ30A	SMAJ30CA	30	33.3	36.8	1.0	48.4	8.3	1.0	CK	YK
SMAJ33A	SMAJ33CA	33	36.7	40.6	1.0	53.3	7.5	1.0	CM	YM
SMAJ36A	SMAJ36CA	36	40.0	44.2	1.0	58.1	6.9	1.0	CP	YP
SMAJ40A	SMAJ40CA	40	44.4	49.1	1.0	64.5	6.2	1.0	CR	YR
SMAJ43A	SMAJ43CA	43	47.8	52.8	1.0	69.4	5.7	1.0	CT	YT
SMAJ45A	SMAJ45CA	45	50.0	55.3	1.0	72.7	5.5	1.0	CV	YV
SMAJ48A	SMAJ48CA	48	53.3	58.9	1.0	77.4	5.2	1.0	CX	YX
SMAJ51A	SMAJ51CA	51	56.7	62.7	1.0	82.4	4.9	1.0	CZ	YZ
SMAJ54A	SMAJ54CA	54	60.0	66.3	1.0	87.1	4.6	1.0	RE	ZE
SMAJ58A	SMAJ58CA	58	64.4	71.2	1.0	93.6	4.3	1.0	RG	ZG
SMAJ60A	SMAJ60CA	60	66.7	73.7	1.0	96.8	4.1	1.0	RK	ZK
SMAJ64A	SMAJ64CA	64	71.1	78.6	1.0	103	3.9	1.0	RM	ZM
SMAJ70A	SMAJ70CA	70	77.8	86.0	1.0	113	3.5	1.0	RP	ZP
SMAJ75A	SMAJ75CA	75	83.3	92.1	1.0	121	3.3	1.0	RR	ZR
SMAJ78A	SMAJ78CA	78	86.7	95.8	1.0	126	2.2	1.0	RT	ZT
SMAJ85A	SMAJ85CA	85	94.4	104	1.0	137	2.9	1.0	RV	ZV
SMAJ90A	SMAJ90CA	90	100	111	1.0	146	2.7	1.0	RX	ZX
SMAJ100A	SMAJ100CA	100	111	123	1.0	162	2.5	1.0	RZ	ZZ
SMAJ110A	SMAJ110CA	110	122	135	1.0	177	2.3	1.0	SE	VE
SMAJ120A	SMAJ120CA	120	133	147	1.0	193	2.0	1.0	SG	VG
SMAJ130A	SMAJ130CA	130	144	159	1.0	209	1.9	1.0	SK	VK
SMAJ150A	SMAJ150CA	150	167	185	1.0	243	1.6	1.0	SM	VM
SMAJ160A	SMAJ160CA	160	178	197	1.0	259	1.5	1.0	SP	VP
SMAJ170A	SMAJ170CA	170	189	209	1.0	275	1.5	1.0	SR	VR
SMAJ180A	SMAJ180CA	180	201	222	1.0	292	1.4	1.0	ST	VT
SMAJ200A	SMAJ200CA	200	224	247	1.0	324	1.2	1.0	SV	VV
SMAJ220A	SMAJ220CA	220	246	272	1.0	356	1.1	1.0	SX	VX
SMAJ250A	SMAJ250CA	250	279	309	1.0	405	1.0	1.0	SZ	VZ
SMAJ300A	SMAJ300CA	300	335	371	1.0	486	0.8	1.0	TE	UE
SMAJ350A	SMAJ350CA	350	391	432	1.0	567	0.7	1.0	TG	UG
SMAJ400A	SMAJ400CA	400	447	494	1.0	648	0.6	1.0	TK	UK
SMAJ440A	SMAJ440CA	440	492	543	1.0	713	0.6	1.0	TM	UM

Note: Suffix 'A' denotes 5% VBR tolerance, and 'C' denotes bi-directional, no suffix denote s 10% VBR tolerance and uni-directional.



Micro Commercial Components™

 E331408



400W TVS / SMA / SURFACE MOUNT

MCC PART NUMBER	REVERSE STAND-OFF VOLTAGE VWM (VOLTS)	BREAKDOWN VOLTAGE V(BR) @ IT (VOLTS)			MAXIMUM CLAMPING VOLTAGE @ IPP (VOLTS)	PEAK PULSE CURRENT IPP (AMPS)	MAXIMUM REVERSE LEAKAGE @VWM ID (µA)	MARKING CODE
		MIN	MAX	I _T (mA)				
SMAJP4KE6.8 A	5.80	6.45	7.14	10	10.5	39.0	1000	6V8 A
SMAJP4KE7.5 A	6.40	7.13	7.88	10	11.3	36.3	500	7V5 A
SMAJP4KE8.2 A	7.02	7.79	8.61	10	12.1	33.9	200	8V2 A
SMAJP4KE9.1 A	7.78	8.65	9.55	1	13.4	30.6	50	9V1 A
SMAJP4KE10 A	8.55	9.50	10.50	1	14.5	28.3	10	10 A
SMAJP4KE11 A	9.40	10.50	11.60	1	15.6	26.3	5	11 A
SMAJP4KE12 A	10.20	11.40	12.60	1	16.7	24.6	5	12 A
SMAJP4KE13 A	11.10	12.40	13.70	1	18.2	22.5	1	13 A
SMAJP4KE15 A	12.80	14.30	15.80	1	21.2	19.3	1	15 A
SMAJP4KE16 A	13.60	15.20	16.80	1	22.5	18.2	1	16 A
SMAJP4KE18 A	15.30	17.10	18.90	1	25.5	16.1	1	18 A
SMAJP4KE20 A	17.10	19.00	21.00	1	27.7	14.8	1	20 A
SMAJP4KE22 A	18.80	20.90	23.10	1	30.6	13.4	1	22 A
SMAJP4KE24 A	20.50	22.80	25.20	1	33.2	12.3	1	24 A
SMAJP4KE27 A	23.10	25.70	28.40	1	37.5	10.9	1	27 A
SMAJP4KE30 A	25.60	28.50	31.50	1	41.4	9.9	1	30 A
SMAJP4KE33 A	28.20	31.40	34.70	1	45.7	9.0	1	33 A
SMAJP4KE36 A	30.80	34.20	37.80	1	49.9	8.2	1	36 A
SMAJP4KE39 A	33.30	37.10	41.00	1	53.9	7.6	1	39 A
SMAJP4KE43 A	36.80	40.90	45.20	1	59.3	6.9	1	43 A
SMAJP4KE47 A	40.20	44.47	49.40	1	64.8	6.3	1	47 A
SMAJP4KE51 A	43.60	48.50	53.60	1	70.1	5.8	1	51 A
SMAJP4KE56 A	47.80	53.20	58.80	1	77.0	5.3	1	56 A
SMAJP4KE62 A	53.00	58.90	65.10	1	85.0	4.8	1	62 A
SMAJP4KE68 A	58.10	64.60	71.40	1	92.0	4.5	1	68 A
SMAJP4KE75 A	64.10	71.30	78.80	1	103.0	4.0	1	75 A
SMAJP4KE82 A	70.10	77.90	86.10	1	113.0	3.6	1	82 A
SMAJP4KE91 A	77.80	86.50	95.50	1	125.0	3.3	1	91 A
SMAJP4KE100 A	85.50	95.00	105.00	1	137.0	3.0	1	100 A
SMAJP4KE110 A	94.00	105.00	116.00	1	152.0	2.7	1	110 A
SMAJP4KE120 A	102.00	114.00	126.00	1	165.0	2.5	1	120 A
SMAJP4KE130 A	111.00	124.00	137.00	1	179.0	2.3	1	130 A
SMAJP4KE150 A	128.00	143.00	158.00	1	207.0	2.0	1	150 A
SMAJP4KE160 A	136.00	152.00	168.00	1	219.0	1.9	1	160 A
SMAJP4KE170 A	145.00	162.00	179.00	1	234.0	1.8	1	170 A
SMAJP4KE180 A	154.00	171.00	189.00	1	246.0	1.7	1	180 A
SMAJP4KE200 A	171.00	190.00	210.00	1	274.0	1.5	1	200 A
SMAJP4KE220 A	185.00	209.00	231.00	1	328.0	1.3	1	220 A
SMAJP4KE250 A	214.00	237.00	263.00	1	344.0	1.2	1	250 A
SMAJP4KE300 A	256.00	285.00	315.00	1	414.0	1.0	1	300 A
SMAJP4KE350 A	300.00	332.00	368.00	1	482.0	0.9	1	350 A
SMAJP4KE400 A	342.00	380.00	420.00	1	548.0	0.8	1	400 A
SMAJP4KE440 A	376.00	418.00	462.00	1	602.0	0.7	1	440 A
SMAJP4KE480 A	408.00	456.00	504.00	1	658.0	0.6	1	480 A
SMAJP4KE510 A	434.00	485.00	535.00	1	698.0	0.6	1	510 A
SMAJP4KE530 A	477.00	503.50	556.50	1	725.0	0.6	1	530 A
SMAJP4KE540 A	459.00	513.00	567.00	1	740.0	0.5	1	540 A
SMAJP4KE550 A	495.00	522.50	577.50	1	760.0	0.5	1	550 A

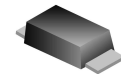
Note: Suffix 'A' denotes 5% VBR tolerance, and 'C' denotes bi-directional, no suffix denote s 10% VBR tolerance and uni-directional.

500W TVS / SMB / SURFACE MOUNT



MCC PART NUMBER	REVERSE STAND-OFF VOLTAGE V_{WM}	MINIMUM BREAKDOWN VOLTAGE AT $I_T=1.0mA$	MAXIMUM REVERSE LEAKAGE AT V_{WM}	MAXIMUM CLAMPING VOLTAGE AT $I_{PP}=5.0A$	PEAK PULSE CURRENT I_{PP}	MAXIMUM JUNCTION CAPACITANCE AT 0 VOLTS	Working Inverse Blocking Voltage	Inverse Blocking Leakage Current	PEAK INVERSE BLOCKING VOLTAGE	Marking Code
	(VOLTS)	(VOLTS)	(μA)	(VOLTS)	(AMPS)	(pF)	(VOLTS)	(mA)	(VOLTS)	
SMBSAC5.0	5.0	7.6	300	10.0	44.0	45	75	1.0	100	SKE
SMBSAC6.0	6.0	7.9	300	11.2	41.0	45	75	1.0	100	SKG
SMBSAC7.0	7.0	8.3	300	12.6	38.0	45	75	1.0	100	SKM
SMBSAC8.0	8.0	8.9	100	13.4	36.0	45	75	1.0	100	SKR
SMBSAC8.5	8.5	9.44	50	14.0	34.0	45	75	1.0	100	SKT
SMBSAC10	10.0	11.10	5	16.3	29.0	45	75	1.0	100	SKX
SMBSAC12	12.0	13.30	5	19.0	25.0	45	75	1.0	100	SLE
SMBSAC15	15.0	16.70	5	23.6	20.0	45	75	1.0	100	SLM
SMBSAC18	18.0	20.00	5	28.8	15.0	45	75	1.0	100	SLT
SMBSAC22	22.0	24.40	5	35.4	14.0	45	75	1.0	100	SLX
SMBSAC26	26.0	28.90	5	42.3	11.1	45	75	1.0	100	SME
SMBSAC30	30.0	33.30	5	48.6	10.0	45	75	1.0	100	SMK
SMBSAC36	36.0	40.00	5	60.0	8.6	45	75	1.0	100	SMP
SMBSAC45	45.0	50.00	5	77.0	6.8	45	150	1.0	100	SMV
SMBSAC50	50.0	55.50	5	88.0	5.8	45	150	1.0	200	SMZ

600W TVS / SMAF / SURFACE MOUNT



MCC PART NUMBER	REVERSE STAND-OFF VOLTAGE V_{WM}	BREAKDOWN VOLTAGE $V(BR) @ I_T$ (VOLTS)			MAXIMUM CLAMPING VOLTAGE @ IPP	PEAK PULSE CURRENT IPP	MAXIMUM REVERSE LEAKAGE @ V_{WM} ID	MARKING CODE
	(VOLTS)	MIN	MAX	I_T (mA)	(VOLTS)	(AMPS)	(μA)	
SMA6F5.0A	5.0	6.40	7.07	10	68.0	9.2	100	SUA
SMA6F12A	12	13.3	14.7	1.0	31.0	18.5	0.2	SUJ
SMA6F13A	13	14.4	15.9	1.0	29.0	20.4	0.2	SUG

600W TVS / SMA / SURFACE MOUNT



MCC PART NUMBER		REVERSE STAND-OFF VOLTAGE V_{WM}	BREAKDOWN VOLTAGE $V(BR) @ I_T$ (VOLTS)			MAXIMUM CLAMPING VOLTAGE @ IPP	PEAK PULSE CURRENT IPP	MAXIMUM REVERSE LEAKAGE @ V_{WM} ID	MARKING CODE	
Uni	Bi	(VOLTS)	MIN	MAX	I_T (mA)	(VOLTS)	(AMPS)	(μA)	Uni	Bi
SMA6J5.0A		5.0	6.40	7.00	10	65.2	9.2	800	KE	
SMA6J6.0A		6.0	6.67	7.37	10	58.3	10.3	800	KG	
SMA6J9.0A	SMA6J9.0CA	9.0	10.0	11.1	1.0	39.0	15.4	5.0	KV	TV
SMA6J10A	SMA6J10CA	10	11.1	12.3	1.0	35.3	17.0	5.0	KX	TX
SMA6J11A	SMA6J11CA	11	12.2	13.5	1.0	33.0	18.2	5.0	KZ	TZ
SMA6J12A	SMA6J12CA	12	13.3	14.7	1.0	30.2	19.9	5.0	LE	UE
SMA6J13A	SMA6J13CA	13	14.4	15.9	1.0	27.9	21.5	5.0	LG	UG
SMA6J14A	SMA6J14CA	14	15.6	17.2	1.0	25.9	23.2	5.0	LK	UK



600W TVS / SMA / SURFACE MOUNT

MCC PART NUMBER		REVERSE STAND-OFF VOLTAGE V_{WM} (VOLTS)	BREAKDOWN VOLTAGE $V_{(BR)}$ @ I_T (VOLTS)			MAXIMUM CLAMPING VOLTAGE @ IPP (VOLTS)	PEAK PULSE CURRENT IPP (AMPS)	MAXIMUM REVERSE LEAKAGE @ V_{WM} ID (μ A)	MARKING CODE	
Uni	Bi		MIN	MAX	I_T (mA)				Uni	Bi
SMA6J15A	SMA6J15CA	15	16.7	18.5	1.0	24.6	24.4	5.0	LM	UM
SMA6J16A	SMA6J16CA	16	17.8	19.7	1.0	23.1	26.0	5.0	LP	UP
SMA6J17A		17	18.9	20.9	1.0	21.7	27.6	5.0	LR	UR
SMA6J18A		18	20.0	22.1	1.0	20.5	29.2	5.0	LT	UR
SMA6J19A		19	21.1	23.3	1.0	19.5	30.8	5.0	LB	
SMA6J20A		20	22.2	24.5	1.0	18.5	32.4	5.0	LV	
SMA6J22A		22	24.4	26.9	1.0	16.9	35.5	5.0	LX	
SMA6J24A	SMA6J24CA	24	26.7	29.5	1.0	15.4	38.9	5.0	LZ	UZ
SMA6J26A		28	28.9	31.9	1.0	14.3	42.1	5.0	ME	
	SMA6J28CA		31.1	34.4	1.0	13.2	45.4	5.0		WG
SMA6J33A		33	36.7	40.6	1.0	11.3	53.3	5.0	MM	

Note: SMA6J24CA&SMA6J28CA still under development.

E331408



600W TVS / SMB / SURFACE MOUNT

MCC PART NUMBER		REVERSE STAND-OFF VOLTAGE V_{WM} (VOLTS)	BREAKDOWN VOLTAGE $V_{(BR)}$ @ I_T (VOLTS)			MAXIMUM CLAMPING VOLTAGE @ IPP (VOLTS)	PEAK PULSE CURRENT IPP (AMPS)	MAXIMUM REVERSE LEAKAGE @ V_{WM} ID (μ A)	MARKING CODE	
Uni	Bi		MIN	MAX	I_T (mA)				Uni	Bi
SMBJ5.0A	SMBJ5.0CA	5.0	6.40	7.00	10	9.2	65.2	800	KE	AE
SMBJ6.0A	SMBJ6.0CA	6.0	6.67	7.37	10	10.3	58.3	800	KG	AG
SMBJ6.5A	SMBJ6.5CA	6.5	7.22	7.98	10	11.2	53.6	500	KK	AK
SMBJ7.0A	SMBJ7.0CA	7.0	7.78	8.60	10	12.0	50.0	200	KM	AM
SMBJ7.5A	SMBJ7.5CA	7.5	8.33	9.21	1.0	12.9	46.5	100	KP	AP
SMBJ8.0A	SMBJ8.0CA	8.0	8.89	9.83	1.0	13.6	44.1	50	KR	AR
SMBJ8.5A	SMBJ8.5CA	8.5	9.44	10.4	1.0	14.4	41.7	10	KT	AT
SMBJ9.0A	SMBJ9.0CA	9.0	10.0	11.1	1.0	15.4	39.0	5.0	KV	AV
SMBJ10A	SMBJ10CA	10	11.1	12.3	1.0	17.0	35.3	5.0	KX	AX
SMBJ11A	SMBJ11CA	11	12.2	13.5	1.0	18.2	33.0	5.0	KZ	AZ
SMBJ12A	SMBJ12CA	12	13.3	14.7	1.0	19.9	30.2	5.0	LE	BE
SMBJ13A	SMBJ13CA	13	14.4	15.9	1.0	21.5	27.9	5.0	LG	BG
SMBJ14A	SMBJ14CA	14	15.6	17.2	1.0	23.2	25.8	5.0	LK	BK
SMBJ15A	SMBJ15CA	15	16.7	18.5	1.0	24.4	24.0	5.0	LM	BM
SMBJ16A	SMBJ16CA	16	17.8	19.7	1.0	26.0	23.1	5.0	LP	BP
SMBJ17A	SMBJ17CA	17	18.9	20.9	1.0	27.6	21.7	5.0	LR	BR
SMBJ18A	SMBJ18CA	18	20.0	22.1	1.0	29.2	20.5	5.0	LT	BT
SMBJ20A	SMBJ20CA	20	22.2	24.5	1.0	32.4	18.5	5.0	LV	BV
SMBJ22A	SMBJ22CA	22	24.4	26.9	1.0	35.5	16.9	5.0	LX	BX
SMBJ24A	SMBJ24CA	24	26.7	29.5	1	38.9	15.4	5.0	LZ	BZ
SMBJ26A	SMBJ26CA	26	28.9	31.9	1.0	42.1	14.2	5.0	ME	CE
SMBJ28A	SMBJ28CA	28	31.1	34.4	1.0	45.4	13.2	5.0	MG	CG
SMBJ30A	SMBJ30CA	30	33.3	36.8	1.0	48.4	12.4	5.0	MK	CK
SMBJ33A	SMBJ33CA	33	36.7	40.6	1.0	53.3	11.3	5.0	MM	CM
SMBJ36A	SMBJ36CA	36	40.0	44.2	1.0	58.1	10.3	5.0	MP	CP
SMBJ40A	SMBJ40CA	40	44.4	49.1	1.0	64.5	9.3	5.0	MR	CR



600W TVS / SMB / SURFACE MOUNT

MCC PART NUMBER		REVERSE STAND-OFF VOLTAGE V_{WM} (VOLTS)	BREAKDOWN VOLTAGE $V_{(BR)}$ @ I_T (VOLTS)			MAXIMUM CLAMPING VOLTAGE @ I_{PP} (VOLTS)	PEAK PULSE CURRENT I_{PP} (AMPS)	MAXIMUM REVERSE LEAKAGE @ V_{WM} I_b (μ A)	MARKING CODE	
			MIN	MAX	I_T (mA)				Uni	Bi
SMBJ43A	SMBJ43CA	43	47.8	52.8	1.0	69.4	8.6	5.0	MT	CT
SMBJ45A	SMBJ45CA	45	50.0	55.3	1.0	72.7	8.3	5.0	MV	CV
SMBJ48A	SMBJ48CA	48	53.3	58.9	1.0	77.4	7.7	5.0	MX	CX
SMBJ51A	SMBJ51CA	51	56.7	62.7	1.0	82.4	7.3	5.0	MZ	CZ
SMBJ54A	SMBJ54CA	54	60.0	66.3	1.0	87.1	6.9	5.0	NE	DE
SMBJ58A	SMBJ58CA	58	64.4	71.2	1.0	93.6	6.4	5.0	NG	DG
SMBJ60A	SMBJ60CA	60	66.7	73.7	1.0	96.8	6.2	5.0	NK	DK
SMBJ64A	SMBJ64CA	64	71.1	78.6	1.0	103	5.8	5.0	NM	DM
SMBJ70A	SMBJ70CA	70	77.8	86.0	1.0	113	5.3	5.0	NP	DP
SMBJ75A	SMBJ75CA	75	83.3	92.1	1.0	121	4.9	5.0	NR	DR
SMBJ78A	SMBJ78CA	78	86.7	95.8	1.0	126	4.7	5.0	NT	DT
SMBJ85A	SMBJ85CA	85	94.4	104	1.0	137	4.4	5.0	NV	DV
SMBJ90A	SMBJ90CA	90	100	111	1.0	146	4.1	5.0	NX	DX
SMBJ100A	SMBJ100CA	100	111	123	1.0	162	3.7	5.0	NZ	DZ
SMBJ110A	SMBJ110CA	110	122	135	1.0	177	3.4	5.0	PE	EE
SMBJ120A	SMBJ120CA	120	133	147	1.0	193	3.1	5.0	PG	EG
SMBJ130A	SMBJ130CA	130	144	159	1.0	209	2.9	5.0	PK	EK
SMBJ150A	SMBJ150CA	150	167	185	1.0	243	2.5	5.0	PM	EM
SMBJ160A	SMBJ160CA	160	178	197	1.0	259	2.3	5.0	PP	EP
SMBJ170A	SMBJ170CA	170	189	209	1.0	275	2.2	5.0	PR	ER
SMBJ180A	SMBJ180CA	180	201	222	1.0	292	2.1	5.0	PT	ET
SMBJ200A	SMBJ200CA	200	224	247	1.0	324	1.9	5.0	PV	EV
SMBJ220A	SMBJ220CA	220	246	272	1.0	356	1.7	5.0	PX	EX
SMBJ250A	SMBJ250CA	250	279	309	1.0	405	1.5	5.0	PZ	EZ
SMBJ300A	SMBJ300CA	300	335	371	1.0	486	1.3	5.0	QE	FE
SMBJ350A	SMBJ350CA	350	391	432	1.0	567	1.1	5.0	QG	FG
SMBJ400A	SMBJ400CA	400	447	494	1.0	648	0.9	5.0	QK	FK
SMBJ440A	SMBJ440CA	440	492	543	1.0	713	0.9	5.0	QM	FM

Note: Suffix 'A' denotes 5% VBR tolerance, and 'C' denotes bi-directional, no suffix denotes 10% VBR tolerance and uni-directional.



600W TVS / SMB / SURFACE MOUNT



MCC PART NUMBER	REVERSE STAND-OFF VOLTAGE V_{WM} (VOLTS)	BREAKDOWN VOLTAGE $V_{(BR)}$ @ I_T (VOLTS)			MAXIMUM CLAMPING VOLTAGE @ I_{PP} (VOLTS)	PEAK PULSE CURRENT I_{PP} (AMPS)	MAXIMUM REVERSE LEAKAGE @ V_{WM} I_b (μ A)	MARKING CODE
		MIN	MAX	I_T (mA)				
SMBJP6KE6.8A	5.80	6.45	7.14	10	10.5	58.1	1000	6V8A
SMBJP6KE7.5A	6.40	7.13	7.88	10	11.3	54.0	500	7V5A
SMBJP6KE8.2A	7.02	7.79	8.61	10	12.1	50.4	200	8V2A
SMBJP6KE9.1A	7.78	8.65	9.55	1	13.4	45.5	50	9V1A
SMBJP6KE10A	8.55	9.50	10.55	1	14.5	42.1	10	10A
SMBJP6KE11A	9.40	10.50	11.60	1	15.6	39.1	5	11A
SMBJP6KE12A	10.20	11.40	12.60	1	16.7	36.5	5	12A
SMBJP6KE13A	11.10	12.40	13.70	1	18.2	33.5	5	13A
SMBJP6KE15A	12.80	14.30	15.80	1	21.2	28.8	5	15A
SMBJP6KE16A	13.60	15.20	16.80	1	22.5	27.1	5	16A
SMBJP6KE18A	15.30	17.10	18.90	1	25.5	24.2	5	18A

Note: Suffix 'A' denotes 5% VBR tolerance, and 'C' denotes bi-directional, no suffix denotes 10% VBR tolerance and uni-directional.

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MCC PART NUMBER	REVERSE STAND-OFF VOLTAGE V_{WM}	BREAKDOWN VOLTAGE $V_{(BR)} @ I_T$ (VOLTS)			MAXIMUM CLAMPING VOLTAGE @ I_{PP}	PEAK PULSE CURRENT I_{PP}	MAXIMUM REVERSE LEAKAGE @ V_{WM}	MARKING CODE
	(VOLTS)	MIN	MAX	I_T (mA)	(VOLTS)	(AMPS)	I_D (μ A)	
SMBJP6KE20A	17.10	19.00	21.00	1	27.7	22.0	5	20A
SMBJP6KE22A	18.80	20.90	23.10	1	30.6	19.9	5	22A
SMBJP6KE24A	20.50	22.80	25.20	1	33.2	18.4	5	24A
SMBJP6KE27A	23.10	25.70	28.40	1	37.5	16.3	5	27A
SMBJP6KE30A	25.60	28.50	31.50	1	41.4	14.7	5	30A
SMBJP6KE33A	28.20	31.40	34.70	1	45.7	13.3	5	33A
SMBJP6KE36A	30.80	34.20	37.80	1	49.9	12.2	5	36A
SMBJP6KE39A	33.30	37.10	41.00	1	53.9	11.3	5	39A
SMBJP6KE43A	36.80	40.90	45.20	1	59.3	10.3	5	43A
SMBJP6KE47A	40.20	44.70	49.40	1	64.8	9.4	5	47A
SMBJP6KE51A	43.60	48.50	53.60	1	70.1	8.7	5	51A
SMBJP6KE56A	47.80	53.20	58.80	1	77.0	7.9	5	56A
SMBJP6KE62A	53.00	58.90	65.10	1	85.0	7.2	5	62A
SMBJP6KE68A	58.10	64.60	71.40	1	92.0	6.6	5	68A
SMBJP6KE75A	64.10	71.30	78.80	1	103.0	5.9	5	75A
SMBJP6KE82A	70.10	77.90	86.10	1	113.0	5.4	5	82A
SMBJP6KE91A	77.80	86.50	95.50	1	125.0	4.9	5	91A
SMBJP6KE100A	85.50	95.00	105.00	1	137.0	4.5	5	100A
SMBJP6KE110A	94.00	105.00	116.00	1	152.0	4.0	5	110A
SMBJP6KE120A	102.00	114.00	126.00	1	165.0	3.7	5	120A
SMBJP6KE130A	111.00	124.00	137.00	1	179.0	3.4	5	130A
SMBJP6KE150A	128.00	143.00	158.00	1	207.0	2.9	5	150A
SMBJP6KE160A	136.00	152.00	168.00	1	219.0	2.8	5	160A
SMBJP6KE170A	145.00	162.00	179.00	1	234.0	2.6	5	170A
SMBJP6KE180A	154.00	171.00	189.00	1	246.0	2.5	5	180A
SMBJP6KE200A	171.00	190.00	210.00	1	274.0	2.2	5	200A
SMBJP6KE220A	185.00	209.00	231.00	1	328.0	1.9	5	220A
SMBJP6KE250A	214.00	237.00	263.00	1	344.0	1.9	5	250A
SMBJP6KE300A	256.00	285.00	315.00	1	414.0	1.5	5	300A
SMBJP6KE350A	300.00	332.00	368.00	1	482.0	1.3	5	350A
SMBJP6KE400A	342.00	380.00	420.00	1	548.0	1.1	5	400A
SMBJP6KE440A	376.00	418.00	462.00	1	602.0	1.0	5	440A
SMBJP6KE480A	408.00	456.00	504.00	1	658.0	0.9	5	480A
SMBJP6KE510A	434.00	485.00	535.00	1	698.0	0.9	5	510A
SMBJP6KE530A	477.00	503.50	556.50	1	725.0	0.8	5	530A
SMBJP6KE540A	459.00	513.00	567.00	1	740.0	0.8	5	540A
SMBJP6KE550A	495.00	522.50	577.50	1	760.0	0.8	5	550A



600W TVS / SMB / SURFACE MOUNT

MCC PART NUMBER	REVERSE STAND-OFF VOLTAGE V_{WM} (VOLTS)	BREAKDOWN VOLTAGE $V_{(BR)}$ @ I_T (VOLTS)			MAXIMUM CLAMPING VOLTAGE @ I_{PP} (VOLTS)	PEAK PULSE CURRENT I_{PP} (AMPS)	MAXIMUM REVERSE LEAKAGE @ V_{WM} I_b (μ A)	MARKING CODE
		MIN	MAX	I_T (mA)				
SMBJP6KE6.8CA	5.80	6.45	7.14	10	10.5	58.1	1000	6V8C
SMBJP6KE7.5CA	6.40	7.13	7.88	10	11.3	54.0	500	7V5C
SMBJP6KE8.2CA	7.02	7.79	8.61	10	12.1	50.4	200	8V2C
SMBJP6KE9.1CA	7.78	8.65	9.55	1	13.4	45.5	50	9V1C
SMBJP6KE10CA	8.55	9.50	10.55	1	14.5	42.1	10	10C
SMBJP6KE11CA	9.40	10.50	11.60	1	15.6	39.1	5	11C
SMBJP6KE12CA	10.20	11.40	12.60	1	16.7	36.5	5	12C
SMBJP6KE13CA	11.10	12.40	13.70	1	18.2	33.5	5	13C
SMBJP6KE15CA	12.80	14.30	15.80	1	21.2	28.8	5	15C
SMBJP6KE16CA	13.60	15.20	16.80	1	22.5	27.1	5	16C
SMBJP6KE18CA	15.30	17.10	18.90	1	25.5	24.2	5	18C
SMBJP6KE20CA	17.10	19.00	21.00	1	27.7	22.0	5	20C
SMBJP6KE22CA	18.80	20.90	23.10	1	30.6	19.9	5	22C
SMBJP6KE24CA	20.50	22.80	25.20	1	33.2	18.4	5	24C
SMBJP6KE27CA	23.10	25.70	28.40	1	37.5	16.3	5	27C
SMBJP6KE30CA	25.60	28.50	31.50	1	41.4	14.7	5	30C
SMBJP6KE33CA	28.20	31.40	34.70	1	45.7	13.3	5	33C
SMBJP6KE36CA	30.80	34.20	37.80	1	49.9	12.2	5	36C
SMBJP6KE39CA	33.30	37.10	41.00	1	53.9	11.3	5	39C
SMBJP6KE43CA	36.80	40.90	45.20	1	59.3	10.3	5	43C
SMBJP6KE47CA	40.20	44.70	49.40	1	64.8	9.4	5	47C
SMBJP6KE51CA	43.60	48.50	53.60	1	70.1	8.7	5	51C
SMBJP6KE56CA	47.80	53.20	58.80	1	77.0	7.9	5	56C
SMBJP6KE62CA	53.00	58.90	65.10	1	85.0	7.2	5	62C
SMBJP6KE68CA	58.10	64.60	71.40	1	92.0	6.6	5	68C
SMBJP6KE75CA	64.10	71.30	78.80	1	103.0	5.9	5	75C
SMBJP6KE82CA	70.10	77.90	86.10	1	113.0	5.4	5	82C
SMBJP6KE91CA	77.80	86.50	95.50	1	125.0	4.9	5	91C
SMBJP6KE100CA	85.50	95.00	105.00	1	137.0	4.5	5	100C
SMBJP6KE110CA	94.00	105.00	116.00	1	152.0	4.0	5	110C
SMBJP6KE120CA	102.00	114.00	126.00	1	165.0	3.7	5	120C
SMBJP6KE130CA	111.00	124.00	137.00	1	179.0	3.4	5	130C
SMBJP6KE150CA	128.00	143.00	158.00	1	207.0	2.9	5	150C
SMBJP6KE160CA	136.00	152.00	168.00	1	219.0	2.8	5	160C
SMBJP6KE170CA	145.00	162.00	179.00	1	234.0	2.6	5	170C
SMBJP6KE180CA	154.00	171.00	189.00	1	246.0	2.5	5	180C
SMBJP6KE200CA	171.00	190.00	210.00	1	274.0	2.2	5	200C
SMBJP6KE220CA	185.00	209.00	231.00	1	328.0	1.9	5	220C
SMBJP6KE250CA	214.00	237.00	263.00	1	344.0	1.9	5	250C
SMBJP6KE300CA	256.00	285.00	315.00	1	414.0	1.5	5	300C
SMBJP6KE350CA	300.00	332.00	368.00	1	482.0	1.3	5	350C
SMBJP6KE400CA	342.00	380.00	420.00	1	548.0	1.1	5	400C
SMBJP6KE440CA	376.00	418.00	462.00	1	602.0	1.0	5	440C
SMBJP6KE480CA	408.00	456.00	504.00	1	658.0	0.9	5	480C
SMBJP6KE510CA	434.00	485.00	535.00	1	698.0	0.9	5	510C
SMBJP6KE530CA	477.00	503.50	556.50	1	725.0	0.8	5	530C
SMBJP6KE540CA	459.00	513.00	567.00	1	740.0	0.8	5	540C
SMBJP6KE550CA	495.00	522.50	577.50	1	760.0	0.8	5	550C

Note: Suffix 'A' denotes 5% VBR tolerance, and 'C' denotes bi-directional, no suffix denote s 10% VBR tolerance and uni-directional.



1500W TVS / SMC / SURFACE MOUNT

MCC PART NUMBER		REVERSE STAND-OFF VOLTAGE V_{WM} (VOLTS)	BREAKDOWN VOLTAGE $V_{(BR)}$ @ I_T (VOLTS)			MAXIMUM CLAMPING VOLTAGE @ I_{PP} (VOLTS)	PEAK PULSE CURRENT I_{PP} (AMPS)	MAXIMUM REVERSE LEAKAGE @ V_{WM} I_D (μ A)	MARKING CODE	
			MIN	MAX	I_T (mA)				Uni	Bi
SMCJ5.0A	SMCJ5.0CA	5.0	6.40	7.00	10	9.2	163.0	800	GDE	BDE
SMCJ6.0A	SMCJ6.0CA	6.0	6.67	7.37	10	10.3	145.6	800	GDG	BDG
SMCJ6.5A	SMCJ6.5CA	6.5	7.22	7.98	10	11.2	133.9	500	GDK	BDK
SMCJ7.0A	SMCJ7.0CA	7.0	7.78	8.60	10	12.0	125.0	200	GDM	BDM
SMCJ7.5A	SMCJ7.5CA	7.5	8.33	9.21	1.0	12.9	116.3	100	GDP	BDP
SMCJ8.0A	SMCJ8.0CA	8.0	8.89	9.83	1.0	13.6	110.3	50	GDR	BDR
SMCJ8.5A	SMCJ8.5CA	8.5	9.44	10.4	1.0	14.4	104.2	20	GDT	BDT
SMCJ9.0A	SMCJ9.0CA	9.0	10.0	11.1	1.0	15.4	97.4	10	GDV	BDV
SMCJ10A	SMCJ10CA	10	11.1	12.3	1.0	17.0	88.2	5.0	GDX	BDX
SMCJ11A	SMCJ11CA	11	12.2	13.5	1.0	18.2	82.4	5.0	GDZ	BDZ
SMCJ12A	SMCJ12CA	12	13.3	14.7	1.0	19.9	75.3	5.0	GEE	BEE
SMCJ13A	SMCJ13CA	13	14.4	15.9	1.0	21.5	69.7	5.0	GEG	BEG
SMCJ14A	SMCJ14CA	14	15.6	17.2	1.0	23.2	64.7	5.0	GEK	BEK
SMCJ15A	SMCJ15CA	15	16.7	18.5	1.0	24.4	61.5	5.0	GEM	BEM
SMCJ16A	SMCJ16CA	16	17.8	19.7	1.0	26.0	57.7	5.0	GEP	BEP
SMCJ17A	SMCJ17CA	17	18.9	20.9	1.0	27.6	53.3	5.0	GER	BER
SMCJ18A	SMCJ18CA	18	20.0	22.1	1.0	29.2	51.4	5.0	GET	BET
SMCJ20A	SMCJ20CA	20	22.2	24.5	1.0	32.4	46.3	5.0	GEV	BEV
SMCJ22A	SMCJ22CA	22	24.4	26.9	1.0	35.5	42.2	5.0	GEX	BEX
SMCJ24A	SMCJ24CA	24	26.7	29.5	1.0	38.9	38.6	5.0	GEZ	BEZ
SMCJ26A	SMCJ26CA	26	28.9	31.9	1.0	42.1	35.6	5.0	GFE	BFE
SMCJ28A	SMCJ28CA	28	31.1	34.4	1.0	45.4	33.0	5.0	GFG	BFG
SMCJ30A	SMCJ30CA	30	33.3	36.8	1.0	48.4	31.0	5.0	GFK	BFK
SMCJ33A	SMCJ33CA	33	36.7	40.6	1.0	53.3	28.1	5.0	GFM	BFM
SMCJ36A	SMCJ36CA	36	40.0	44.2	1.0	58.1	25.8	5.0	GFP	BFP
SMCJ40A	SMCJ40CA	40	44.4	49.1	1.0	64.5	23.2	5.0	GFR	BFR
SMCJ43A	SMCJ43CA	43	47.8	52.8	1.0	69.4	21.6	5.0	GFT	BFT
SMCJ45A	SMCJ45CA	45	50.0	55.3	1.0	72.7	20.6	5.0	GFV	BFV
SMCJ48A	SMCJ48CA	48	53.3	58.9	1.0	77.4	19.4	5.0	GFY	BFY
SMCJ51A	SMCJ51CA	51	56.7	62.7	1.0	82.4	18.2	5.0	GFZ	BFZ
SMCJ54A	SMCJ54CA	54	60.0	66.3	1.0	87.1	17.2	5.0	GGE	BGE
SMCJ58A	SMCJ58CA	58	64.4	71.2	1.0	93.6	16.0	5.0	GGG	BGG
SMCJ60A	SMCJ60CA	60	66.7	73.7	1.0	96.8	15.5	5.0	GGK	BGK
SMCJ64A	SMCJ64CA	64	71.1	78.6	1.0	103	14.6	5.0	GGM	BGM
SMCJ70A	SMCJ70CA	70	77.8	86.0	1.0	113	13.3	5.0	GGP	BGP
SMCJ75A	SMCJ75CA	75	83.3	92.1	1.0	121	12.4	5.0	GGR	BGR
SMCJ78A	SMCJ78CA	78	86.7	95.8	1.0	126	11.4	5.0	GGT	BGT
SMCJ85A	SMCJ85CA	85	94.4	104	1.0	137	10.4	5.0	GGV	BGV
SMCJ90A	SMCJ90CA	90	100	111	1.0	146	10.3	5.0	GGX	BGX
SMCJ100A	SMCJ100CA	100	111	123	1.0	162	9.3	5.0	GGZ	BGZ
SMCJ110A	SMCJ110CA	110	122	135	1.0	177	8.4	5.0	GHE	BHE
SMCJ120A	SMCJ120CA	120	133	147	1.0	193	7.8	5.0	GHG	BHG
SMCJ130A	SMCJ130CA	130	144	159	1.0	209	7.2	5.0	GHK	BHK
SMCJ150A	SMCJ150CA	150	167	185	1.0	243	6.2	5.0	GHM	BHM
SMCJ160A	SMCJ160CA	160	178	197	1.0	259	5.8	5.0	GHP	BHP
SMCJ170A	SMCJ170CA	170	189	209	1.0	275	5.5	5.0	GHR	BHR
SMCJ180A	SMCJ180CA	180	198	230.4	1.0	292	5.1	5.0	GHT	BHT
SMCJ200A	SMCJ200CA	200	220	256	1.0	324	4.6	5.0	GHV	BHV
SMCJ220A	SMCJ220CA	220	240	281.6	1.0	356	4.2	5.0	GHX	BHX
SMCJ250A	SMCJ250CA	250	279	309	1.0	405	3.7	5.0	GHZ	BHZ
SMCJ300A	SMCJ300CA	300	335	371	1.0	486	3.1	5.0	GJE	BJE
SMCJ250A	SMCJ250CA	250	279	309	1.0	405	3.7	5.0	GHZ	BHZ
SMCJ300A	SMCJ300CA	300	335	371	1.0	486	3.1	5.0	GJE	BJE
SMCJ350A	SMCJ350CA	350	391	432	1.0	567	2.6	5.0	GJG	BJG
SMCJ400A	SMCJ400CA	400	447	494	1.0	648	2.3	5.0	GJK	BJK
SMCJ440A	SMCJ440CA	440	492	543	1.0	713	2.1	5.0	GJM	BJM

Note: Suffix 'A' denotes 5% VBR tolerance, and 'C' denotes bi-directional, no suffix denote s 10% VBR tolerance and uni-directional.



1500W TVS / SMC / SURFACE MOUNT

MCC PART NUMBER	REVERSE STAND-OFF VOLTAGE V_{WM} (VOLTS)	BREAKDOWN VOLTAGE $V_{(BR)} @ I_T$ (VOLTS)			MAXIMUM CLAMPING VOLTAGE @ I_{PP} (VOLTS)	PEAK PULSE CURRENT I_{PP} (AMPS)	MAXIMUM REVERSE LEAKAGE @ V_{WM} I_D (μ A)	MARKING CODE
		MIN	MAX	I_T (mA)				
SMCJ1.5KE6.8A	5.80	6.45	7.14	10	10.5	144.8	1000	6V8A
SMCJ1.5KE7.5A	6.40	7.13	7.88	10	11.3	134.5	500	7V5A
SMCJ1.5KE8.2A	7.02	7.79	8.61	10	12.1	125.6	200	8V2A
SMCJ1.5KE9.1A	7.78	8.65	9.55	1	13.4	113.4	50	9V1A
SMCJ1.5KE10A	8.55	9.50	10.55	1	14.5	97.4	10	10A
SMCJ1.5KE11A	9.40	10.50	11.60	1	15.6	91.0	5	11A
SMCJ1.5KE12A	10.20	11.40	12.60	1	16.7	83.5	5	12A
SMCJ1.5KE13A	11.10	12.40	13.70	1	18.2	71.7	5	13A
SMCJ1.5KE15A	12.80	14.30	15.80	1	21.2	67.6	5	15A
SMCJ1.5KE16A	13.60	15.20	16.80	1	22.5	60.3	5	16A
SMCJ1.5KE18A	15.30	17.10	18.90	1	25.5	54.9	5	18A
SMCJ1.5KE20A	17.10	19.00	21.00	1	27.7	49.7	5	20A
SMCJ1.5KE22A	18.80	20.90	23.10	1	30.6	45.8	5	22A
SMCJ1.5KE24A	20.50	22.80	25.20	1	33.2	40.5	5	24A
SMCJ1.5KE27A	23.10	25.70	28.40	1	37.5	36.7	5	27A
SMCJ1.5KE30A	25.60	28.50	31.50	1	41.4	33.3	5	30A
SMCJ1.5KE33A	28.20	31.40	34.70	1	45.7	30.5	5	33A
SMCJ1.5KE36A	30.80	34.20	37.80	1	49.9	28.2	5	36A
SMCJ1.5KE39A	33.30	37.10	41.00	1	53.9	25.6	5	39A
SMCJ1.5KE43A	36.80	40.90	45.20	1	59.3	23.5	5	43A
SMCJ1.5KE47A	40.20	44.70	49.40	1	64.8	21.7	5	47A
SMCJ1.5KE51A	43.60	48.50	53.60	1	70.1	19.7	5	51A
SMCJ1.5KE56A	47.80	53.20	58.80	1	77.0	17.9	5	56A
SMCJ1.5KE62A	53.00	58.90	65.10	1	85.0	16.5	5	62A
SMCJ1.5KE68A	58.10	64.60	71.40	1	92.0	14.8	5	68A
SMCJ1.5KE75A	64.10	71.30	78.80	1	103.0	13.5	5	75A
SMCJ1.5KE82A	70.10	77.90	86.10	1	113.0	12.2	5	82A
SMCJ1.5KE91A	77.80	86.50	95.50	1	125.0	11.1	5	91A
SMCJ1.5KE100A	85.50	95.00	105.00	1	137.0	10.0	5	100A
SMCJ1.5KE110A	94.00	105.00	116.00	1	152.0	9.2	5	110A
SMCJ1.5KE120A	102.00	114.00	126.00	1	165.0	8.5	5	120A
SMCJ1.5KE130A	111.00	124.00	137.00	1	179.0	7.3	5	130A
SMCJ1.5KE150A	128.00	143.00	158.00	1	207.0	6.9	5	150A
SMCJ1.5KE160A	136.00	152.00	168.00	1	219.0	6.5	5	160A
SMCJ1.5KE170A	145.00	162.00	179.00	1	234.0	6.2	5	170A
SMCJ1.5KE180A	154.00	171.00	189.00	1	246.0	5.5	5	180A
SMCJ1.5KE200A	171.00	190.00	210.00	1	274.0	4.6	5	200A
SMCJ1.5KE220A	185.00	209.00	231.00	1	328.0	4.4	5	220A
SMCJ1.5KE250A	214.00	237.00	263.00	1	344.0	3.7	5	250A
SMCJ1.5KE300A	256.00	285.00	315.00	1	414.0	3.2	5	300A
SMCJ1.5KE350A	300.00	332.00	368.00	1	482.0	2.8	5	350A
SMCJ1.5KE400A	342.00	380.00	420.00	1	548.0	2.5	5	400A
SMCJ1.5KE440A	376.00	418.00	462.00	1	602.0	2.3	5	440A
SMCJ1.5KE480A	408.00	456.00	504.00	1	658.0	2.1	5	480A
SMCJ1.5KE510A	434.00	485.00	535.00	1	698.0	2.1	5	510A
SMCJ1.5KE530A	477.00	503.50	556.50	1	725.0	2.0	5	530A
SMCJ1.5KE540A	459.00	513.00	567.00	1	740.0	2.0	5	540A
SMCJ1.5KE550A	495.00	522.50	577.50	1	760.0	2.0	5	550A

Note: Suffix 'A' denotes 5% VBR tolerance, and 'C' denotes bi-directional, no suffix denote s 10% VBR tolerance and uni-directional.



Micro Commercial Components™



E331408

1500W TVS / SMC SURFACE MOUNT

MCC PART NUMBER	REVERSE STAND-OFF VOLTAGE V_{WM} (VOLTS)	BREAKDOWN VOLTAGE $V_{(BR)} @ I_T$ (VOLTS)			MAXIMUM CLAMPING VOLTAGE @ I_{PP} (VOLTS)	PEAK PULSE CURRENT I_{PP} (AMPS)	MAXIMUM REVERSE LEAKAGE @ V_{WM} I_D (μA)	MARKING CODE
		MIN	MAX	I_T (mA)				
SMCJ1.5KE6.8CA	5.80	6.45	7.14	10	10.5	144.8	1000	6V8C
SMCJ1.5KE7.5CA	6.40	7.13	7.88	10	11.3	134.5	500	7V5C
SMCJ1.5KE8.2CA	7.02	7.79	8.61	10	12.1	125.6	200	8V2C
SMCJ1.5KE9.1CA	7.78	8.65	9.55	1	13.4	113.4	50	9V1C
SMCJ1.5KE10CA	8.55	9.50	10.55	1	14.5	97.4	10	10C
SMCJ1.5KE11CA	9.40	10.50	11.60	1	15.6	91.0	5	11C
SMCJ1.5KE12CA	10.20	11.40	12.60	1	16.7	83.5	5	12C
SMCJ1.5KE13CA	11.10	12.40	13.70	1	18.2	71.7	5	13C
SMCJ1.5KE15CA	12.80	14.30	15.80	1	21.2	67.6	5	15C
SMCJ1.5KE16CA	13.60	15.20	16.80	1	22.5	60.3	5	16C
SMCJ1.5KE18CA	15.30	17.10	18.90	1	25.5	54.9	5	18C
SMCJ1.5KE20CA	17.10	19.00	21.00	1	27.7	49.7	5	20C
SMCJ1.5KE22CA	18.80	20.90	23.10	1	30.6	45.8	5	22C
SMCJ1.5KE24CA	20.50	22.80	25.20	1	33.2	40.5	5	24C
SMCJ1.5KE27CA	23.10	25.70	28.40	1	37.5	36.7	5	27C
SMCJ1.5KE30CA	25.60	28.50	31.50	1	41.4	33.3	5	30C
SMCJ1.5KE33CA	28.20	31.40	34.70	1	45.7	30.5	5	33C
SMCJ1.5KE36CA	30.80	34.20	37.80	1	49.9	28.2	5	36C
SMCJ1.5KE39CA	33.30	37.10	41.00	1	53.9	25.6	5	39C
SMCJ1.5KE43CA	36.80	40.90	45.20	1	59.3	23.5	5	43C
SMCJ1.5KE47CA	40.20	44.70	49.40	1	64.8	21.7	5	47C
SMCJ1.5KE51CA	43.60	48.50	53.60	1	70.1	19.7	5	51C
SMCJ1.5KE56CA	47.80	53.20	58.80	1	77.0	17.9	5	56C
SMCJ1.5KE62CA	53.00	58.90	65.10	1	85.0	16.5	5	62C
SMCJ1.5KE68CA	58.10	64.60	71.40	1	92.0	14.8	5	68C
SMCJ1.5KE75CA	64.10	71.30	78.80	1	103.0	13.5	5	75C
SMCJ1.5KE82CA	70.10	77.90	86.10	1	113.0	12.2	5	82C
SMCJ1.5KE91CA	77.80	86.50	95.50	1	125.0	11.1	5	91C
SMCJ1.5KE100CA	85.50	95.00	105.00	1	137.0	10.0	5	100C
SMCJ1.5KE110CA	94.00	105.00	116.00	1	152.0	9.2	5	110C
SMCJ1.5KE120CA	102.00	114.00	126.00	1	165.0	8.5	5	120C
SMCJ1.5KE130CA	111.00	124.00	137.00	1	179.0	7.3	5	130C
SMCJ1.5KE150CA	128.00	143.00	158.00	1	207.0	6.9	5	150C
SMCJ1.5KE160CA	136.00	152.00	168.00	1	219.0	6.5	5	160C
SMCJ1.5KE170CA	145.00	162.00	179.00	1	234.0	6.2	5	170C
SMCJ1.5KE180CA	154.00	171.00	189.00	1	246.0	5.5	5	180C
SMCJ1.5KE200CA	171.00	190.00	210.00	1	274.0	4.6	5	200C
SMCJ1.5KE220CA	185.00	209.00	231.00	1	328.0	4.4	5	220C
SMCJ1.5KE250CA	214.00	237.00	263.00	1	344.0	3.7	5	250C
SMCJ1.5KE300CA	256.00	285.00	315.00	1	414.0	3.2	5	300C
SMCJ1.5KE350CA	300.00	332.00	368.00	1	482.0	2.8	5	350C
SMCJ1.5KE400CA	342.00	380.00	420.00	1	548.0	2.5	5	400C
SMCJ1.5KE440CA	376.00	418.00	462.00	1	602.0	2.3	5	440C
SMCJ1.5KE480CA	408.00	456.00	504.00	1	658.0	2.1	5	480C
SMCJ1.5KE510CA	434.00	485.00	535.00	1	698.0	2.1	5	510C
SMCJ1.5KE530CA	477.00	503.50	556.50	1	725.0	2.0	5	530C
SMCJ1.5KE540CA	459.00	513.00	567.00	1	740.0	2.0	5	540C
SMCJ1.5KE550CA	495.00	522.50	577.50	1	760.0	2.0	5	550C

Note: Suffix 'A' denotes 5% VBR tolerance, and 'C' denotes bi-directional, no suffix denote s 10% VBR tolerance and uni-directional.



3000W TVS / SMC / SURFACE MOUNT

MCC PART NUMBER		REVERSE STAND-OFF VOLTAGE V_{WM}	BREAKDOWN VOLTAGE $V_{(BR)}$ @ I_T (VOLTS)			MAXIMUM CLAMPING VOLTAGE @ I_{PP}	PEAK PULSE CURRENT I_{PP}	MAXIMUM REVERSE LEAKAGE @ V_{WM} I_D	MARKING CODE	
			(VOLTS)	MIN	MAX				I_T (mA)	(VOLTS)
SMLJ5.0A	SMLJ5.0CA	5.0	6.40	7.00	10	9.2	326.0	1000	RDE	DDE
SMLJ6.0A	SMLJ6.0CA	6.0	6.67	7.37	10	10.3	291.3	1000	RDG	DDG
SMLJ6.5A	SMLJ6.5CA	6.5	7.22	7.98	10	11.2	267.9	500	RDK	DDK
SMLJ7.0A	SMLJ7.0CA	7.0	7.78	8.60	10	12.0	250.0	200	PDM	DDM
SMLJ7.5A	SMLJ7.5CA	7.5	8.33	9.21	1.0	12.9	232.6	100	PDP	DDP
SMLJ8.0A	SMLJ8.0CA	8.0	8.89	9.83	1.0	13.6	220.6	50	PDR	DDR
SMLJ8.5A	SMLJ8.5CA	8.5	9.44	10.4	1.0	14.4	208.4	25	PDT	DDT
SMLJ9.0A	SMLJ9.0CA	9.0	10.0	11.1	1.0	15.4	194.8	10	PDV	DDV
SMLJ10A	SMLJ10CA	10	11.1	12.3	1.0	17.0	176.4	5.0	PDX	DDX
SMLJ11A	SMLJ11CA	11	12.2	13.5	1.0	18.2	164.8	5.0	PDZ	DDZ
SMLJ12A	SMLJ12CA	12	13.3	14.7	1.0	19.9	150.6	5.0	PEE	DEE
SMLJ13A	SMLJ13CA	13	14.4	15.9	1.0	21.5	139.4	5.0	PEG	DEG
SMLJ14A	SMLJ14CA	14	15.6	17.2	1.0	23.2	129.4	5.0	PEK	DEK
SMLJ15A	SMLJ15CA	15	16.7	18.5	1.0	24.4	123.0	5.0	PEM	DEM
SMLJ16A	SMLJ16CA	16	17.8	19.7	1.0	26.0	115.4	5.0	PEP	DEP
SMLJ17A	SMLJ17CA	17	18.9	20.9	1.0	27.6	106.6	5.0	PER	DER
SMLJ18A	SMLJ18CA	18	20.0	22.1	1.0	29.2	102.8	5.0	PET	DET
SMLJ20A	SMLJ20CA	20	22.2	24.5	1.0	32.4	92.6	5.0	PEV	DEV
SMLJ22A	SMLJ22CA	22	24.4	26.9	1.0	35.5	84.4	5.0	PEX	DEX
SMLJ24A	SMLJ24CA	24	26.7	29.5	1.0	38.9	77.2	5.0	PEZ	DEZ
SMLJ26A	SMLJ26CA	26	28.9	31.9	1.0	42.1	71.2	5.0	PFE	DFE
SMLJ28A	SMLJ28CA	28	31.1	34.4	1.0	45.4	66.0	5.0	PFG	DFG
SMLJ30A	SMLJ30CA	30	33.3	36.8	1.0	48.4	62.0	5.0	PFK	DFK
SMLJ33A	SMLJ33CA	33	36.7	40.6	1.0	53.3	56.2	5.0	PFM	DFM
SMLJ36A	SMLJ36CA	36	40.0	44.2	1.0	58.1	51.6	5.0	PFM	DFM
SMLJ40A	SMLJ40CA	40	44.4	49.1	1.0	64.5	46.4	5.0	PFR	DFR
SMLJ43A	SMLJ43CA	43	47.8	52.8	1.0	69.4	43.2	5.0	PFT	DFT
SMLJ45A	SMLJ45CA	45	50.0	55.3	1.0	72.7	41.2	5.0	PFV	DFV
SMLJ48A	SMLJ48CA	48	53.3	58.9	1.0	77.4	38.8	5.0	PFX	DFX
SMLJ51A	SMLJ51CA	51	56.7	62.7	1.0	82.4	36.4	5.0	PFZ	DFZ
SMLJ54A	SMLJ54CA	54	60.0	66.3	1.0	87.1	34.4	5.0	RGE	DGE
SMLJ58A	SMLJ58CA	58	64.4	71.2	1.0	93.6	32.0	5.0	PGG	DGG
SMLJ60A	SMLJ60CA	60	66.7	73.7	1.0	96.8	31.0	5.0	PGK	DGK
SMLJ64A	SMLJ64CA	64	71.1	78.6	1.0	103	29.2	5.0	PGM	DGM
SMLJ70A	SMLJ70CA	70	77.8	86.0	1.0	113	26.6	5.0	PGP	DGP
SMLJ75A	SMLJ75CA	75	83.3	92.1	1.0	121	24.8	5.0	PGR	DGR
SMLJ78A	SMLJ78CA	78	86.7	95.8	1.0	126	22.8	5.0	PGT	DGT
SMLJ85A	SMLJ85CA	85	94.4	104	1.0	137	20.8	5.0	PGV	DGV
SMLJ90A	SMLJ90CA	90	100	111	1.0	146	20.6	5.0	PGX	DGX
SMLJ100A	SMLJ100CA	100	111	123	1.0	162	18.6	5.0	PGZ	DGZ
SMLJ110A	SMLJ110CA	110	122	135	1.0	177	16.8	5.0	PHE	DHE
SMLJ120A	SMLJ120CA	120	133	147	1.0	193	15.6	5.0	PHG	DHG
SMLJ130A	SMLJ130CA	130	144	159	1.0	209	14.4	5.0	PHK	DHK
SMLJ150A	SMLJ150CA	150	167	185	1.0	243	12.4	5.0	PHM	DHM
SMLJ160A	SMLJ160CA	160	178	197	1.0	259	11.6	5.0	PHP	DHP
SMLJ170A	SMLJ170CA	170	189	209	1.0	275	11.0	5.0	PHR	DHR

Note: Suffix 'A' denotes 5% VBR tolerance, and 'C' denotes bi-directional, no suffix denote s 10% VBR tolerance and uni-directional.



5000W TVS /SMC SURFACE MOUNT

MCC PART NUMBER		REVERSE STAND-OFF VOLTAGE $V_{RWM}(V)$	BREAKDOWN VOLTAGE $V_{BR}(V)$ MIN. @ I_T	BREAKDOWN VOLTAGE $V_{BR}(V)$ MAX. @ I_T	TEST CURRENT $I_T(mA)$	MAXIMUM PEAK PULSE CURRENT I_{PP}	MAXIMUM REVERSE LEAKAGE $I_b @V_{RWM}$	MAXIMUM CLAMPING VOLTAGE $V_C @ I_{PP}$	MARKING CODE	
		V	V	V	mA	A	(μA)	V	Uni	Bi
5.0SMLJ11 A	5.0SMLJ11 CA	11	12.2	13.5	10	275	800	18.2	5PEN	5BEN
5.0SMLJ12 A	5.0SMLJ12 CA	12	13.3	14.7	10	252	800	19.9	5PEP	5BEP
5.0SMLJ13 A	5.0SMLJ13 CA	13	14.4	15.9	10	233	500	21.5	5PEQ	5BEQ
5.0SMLJ14 A	5.0SMLJ14 CA	14	15.6	17.2	10	216	200	23.2	5PER	5BER
5.0SMLJ15 A	5.0SMLJ15 CA	15	16.7	18.5	1	205	100	24.4	5PES	5BES
5.0SMLJ16 A	5.0SMLJ16 CA	16	17.8	19.7	1	193	50	26	5PET	5BET
5.0SMLJ17 A	5.0SMLJ17 CA	17	18.9	20.9	1	181	20	27.6	5PEU	5BEU
5.0SMLJ18 A	5.0SMLJ18 CA	18	20	22.1	1	172	10	29.2	5PEV	5BEV
5.0SMLJ20 A	5.0SMLJ20 CA	20	22.2	24.5	1	155	5	32.4	5PEW	5BEW
5.0SMLJ22 A	5.0SMLJ22 CA	22	24.4	26.9	1	141	5	35.5	5PEX	5BEX
5.0SMLJ24 A	5.0SMLJ24 CA	24	26.7	29.5	1	129	5	38.9	5PEZ	5BEZ
5.0SMLJ26 A	5.0SMLJ26 CA	26	28.9	31.9	1	119	5	42.1	5PFE	5BFE
5.0SMLJ28 A	5.0SMLJ28 CA	28	31.1	34.4	1	110	5	45.4	5PFG	5BFG
5.0SMLJ30 A	5.0SMLJ30 CA	30	33.3	36.8	1	103	5	48.4	5PFK	5BFK
5.0SMLJ33 A	5.0SMLJ33 CA	33	36.7	40.6	1	93.9	5	53.3	5PFM	5BFM
5.0SMLJ36 A	5.0SMLJ36 CA	36	40	44.2	1	86.1	5	58.1	5PFP	5BFP
5.0SMLJ40 A	5.0SMLJ40 CA	40	44.4	49.1	1	77.6	5	64.5	5PFR	5BFR
5.0SMLJ43 A	5.0SMLJ43 CA	43	47.8	52.8	1	72.1	5	69.4	5PFT	5BFT
5.0SMLJ45 A	5.0SMLJ45 CA	45	50	55.3	1	68.8	5	72.7	5PFV	5BFV
5.0SMLJ48A	5.0SMLJ48CA	48	53.3	58.9	1	64.7	5	77.4	5PFX	5BFX
5.0SMLJ51A	5.0SMLJ51CA	51	56.7	62.7	1	60.7	5	82.4	5PFZ	5BFZ
5.0SMLJ54A	5.0SMLJ54CA	54	60	66.3	1	57.5	5	87.1	5RGE	5BGE
5.0SMLJ58A	5.0SMLJ58CA	58	64.4	71.2	1	53.5	5	93.6	5PGG	5BGG
5.0SMLJ60A	5.0SMLJ60CA	60	66.7	73.7	1	51.7	5	96.8	5PGK	5BGK
5.0SMLJ64A	5.0SMLJ64CA	64	71.1	78.6	1	48.6	5	103	5PGM	5BGM
5.0SMLJ70A	5.0SMLJ70CA	70	77.8	86	1	44.3	5	113	5PGP	5BGP
5.0SMLJ75A	5.0SMLJ75CA	75	83.3	92.1	1	41.4	5	121	5PGR	5BGR
5.0SMLJ78A	5.0SMLJ78CA	78	86.7	95.8	1	39.7	5	126	5PGT	5BGT
5.0SMLJ85A	5.0SMLJ85CA	85	94.4	104	1	36.5	5	137	5PGV	5BGV
5.0SMLJ90A	5.0SMLJ90CA	90	100	111	1	34.3	5	146	5PGX	5BGX
5.0SMLJ100A	5.0SMLJ100CA	100	111	123	1	30.9	5	162	5PGZ	5BGZ
5.0SMLJ110A	5.0SMLJ110CA	110	122	135	1	28.3	5	177	5PHE	5BHE
5.0SMLJ120A	5.0SMLJ120CA	120	133	147	1	26	5	193	5PHG	5BHG
5.0SMLJ130A	5.0SMLJ130CA	130	144	159	1	24	5	209	5PHK	5BHK
5.0SMLJ150A	5.0SMLJ150CA	150	167	185	1	20.6	5	243	5PHM	5BHM
5.0SMLJ160A	5.0SMLJ160CA	160	178	197	1	19.3	5	259	5PHP	5BHP
5.0SMLJ170A	5.0SMLJ170CA	170	189	209	1	18.2	5	275	5PHR	5BHR

Note: Suffix 'A' denotes 5% VBR tolerance, and 'C' denotes bi-directional, no suffix denote s 10% VBR tolerance and uni-directional.