

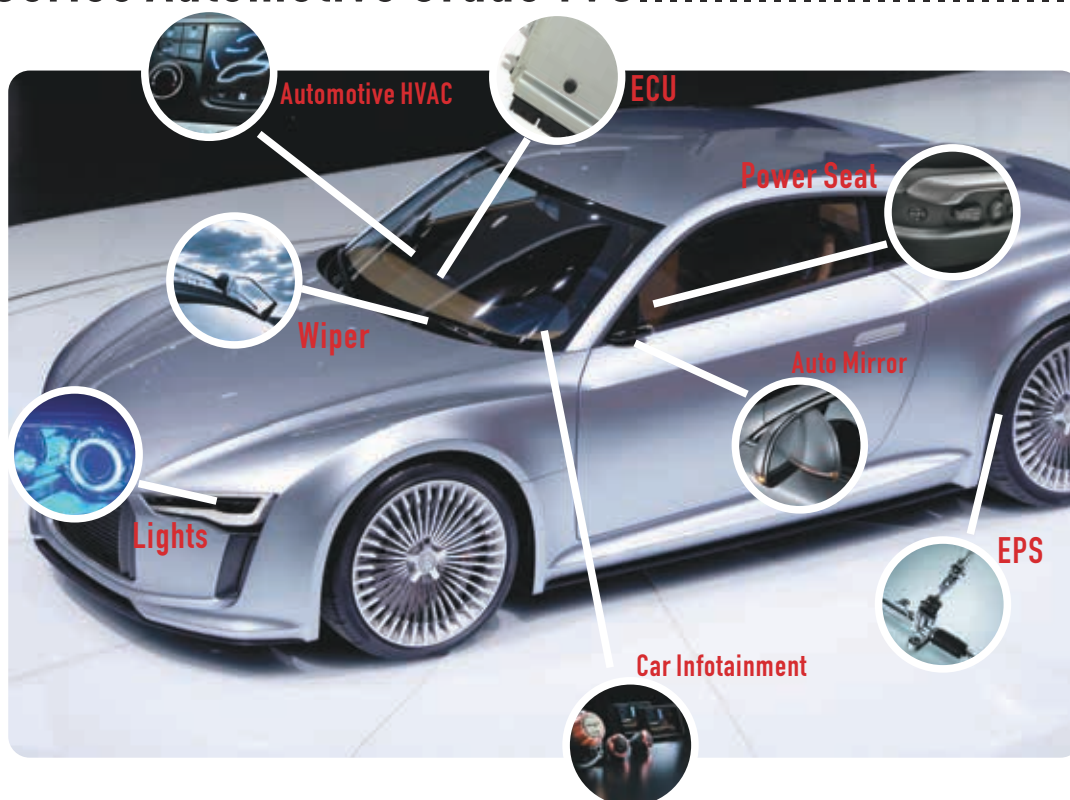
INDEX

DO-218AB Series Automotive Grade TVS.....01~02

SMA Series Automotive Grade TVS.....03~05

SMB Series Automotive Grade TVS.....06~08

SMC Series Automotive Grade TVS.....09~13



- UL Recognized File # E480232
- Meet AEC-Q101 Requirement
- Meet ISO7637-2 5A surge specification

► DO-218AB Series Automotive Grade TVS

Part Number	Configuration	Breakdown Voltage VBR @ I _r		Test Current I _T	Reverse Standoff Voltage V _{WM}	Maximum Clamping Voltage V _C @ I _{PP}	Peak Pulse Current I _{PP}	Maximum Reverse Leakage I _r @ V _{WM}	Peak Power Dissipation P _{PPM}	Package
		Min (V)	Max (V)	mA	V	V	A	uA	W	
SM5S10A	Unidirectional	11.10	12.30	5	10	17.0	212.0	15	3600	DO-218AB
SM5S11A	Unidirectional	12.20	13.50	5	11	18.2	198.0	10	3600	DO-218AB
SM5S12A	Unidirectional	13.30	14.70	5	12	19.9	181.0	10	3600	DO-218AB
SM5S13A	Unidirectional	14.40	15.90	5	13	21.5	167.0	10	3600	DO-218AB
SM5S14A	Unidirectional	15.60	17.20	5	14	23.2	155.0	10	3600	DO-218AB
SM5S15A	Unidirectional	16.70	18.50	5	15	24.4	148.0	10	3600	DO-218AB
SM5S16A	Unidirectional	17.80	19.70	5	16	26.0	138.0	10	3600	DO-218AB
SM5S17A	Unidirectional	18.90	20.90	5	17	27.6	130.0	10	3600	DO-218AB
SM5S18A	Unidirectional	20.00	22.10	5	18	29.2	123.0	10	3600	DO-218AB
SM5S20A	Unidirectional	22.20	24.50	5	20	32.4	111.0	10	3600	DO-218AB
SM5S22A	Unidirectional	24.40	26.90	5	22	35.5	101.0	10	3600	DO-218AB
SM5S24A	Unidirectional	26.70	29.50	5	24	38.9	93.0	10	3600	DO-218AB
SM5S26A	Unidirectional	28.90	31.90	5	26	42.1	86.0	10	3600	DO-218AB
SM5S28A	Unidirectional	31.10	34.40	5	28	45.4	79.0	10	3600	DO-218AB
SM5S30A	Unidirectional	33.30	36.80	5	30	48.4	74.0	10	3600	DO-218AB
SM5S33A	Unidirectional	36.70	40.60	5	33	53.3	68.0	10	3600	DO-218AB
SM5S36A	Unidirectional	40.00	44.20	5	36	58.1	62.0	10	3600	DO-218AB
SM5S40A	Unidirectional	44.40	49.10	5	40	64.5	56.0	10	3600	DO-218AB
SM5S43A	Unidirectional	47.80	52.80	5	43	69.4	52.0	10	3600	DO-218AB
SM6S10A	Unidirectional	11.10	12.30	5	10	17.0	271.0	15	4600	DO-218AB
SM6S11A	Unidirectional	12.20	13.50	5	11	18.2	253.0	10	4600	DO-218AB
SM6S12A	Unidirectional	13.30	14.70	5	12	19.9	231.0	10	4600	DO-218AB
SM6S13A	Unidirectional	14.40	15.90	5	13	21.5	214.0	10	4600	DO-218AB
SM6S14A	Unidirectional	15.60	17.20	5	14	23.2	198.0	10	4600	DO-218AB
SM6S15A	Unidirectional	16.70	18.50	5	15	24.4	189.0	10	4600	DO-218AB
SM6S16A	Unidirectional	17.80	19.70	5	16	26.0	177.0	10	4600	DO-218AB
SM6S17A	Unidirectional	18.90	20.90	5	17	27.6	167.0	10	4600	DO-218AB
SM6S18A	Unidirectional	20.00	22.10	5	18	29.2	158.0	10	4600	DO-218AB
SM6S20A	Unidirectional	22.20	24.50	5	20	32.4	142.0	10	4600	DO-218AB
SM6S22A	Unidirectional	24.40	26.90	5	22	35.5	130.0	10	4600	DO-218AB
SM6S24A	Unidirectional	26.70	29.50	5	24	38.9	118.0	10	4600	DO-218AB
SM6S26A	Unidirectional	28.90	31.90	5	26	42.1	109.0	10	4600	DO-218AB
SM6S28A	Unidirectional	31.10	34.40	5	28	45.4	101.0	10	4600	DO-218AB
SM6S30A	Unidirectional	33.30	36.80	5	30	48.4	95.0	10	4600	DO-218AB
SM6S33A	Unidirectional	36.70	40.60	5	33	53.3	86.0	10	4600	DO-218AB
SM6S36A	Unidirectional	40.00	44.20	5	36	58.1	79.0	10	4600	DO-218AB
SM6S40A	Unidirectional	44.40	49.10	5	40	64.5	71.0	10	4600	DO-218AB
SM6S43A	Unidirectional	47.80	52.80	5	43	69.4	66.0	10	4600	DO-218AB



DO-218AB

▶ DO-218AB Series Automotive Grade TVS

Part Number	Configuration	Breakdown Voltage VBR @ I _r		Test Current I _r	Reverse Standoff Voltage V _{wm}	Maximum Clamping Voltage V _c @ I _{pp}	Peak Pulse Current I _{pp}	Maximum Reverse Leakage I _o @ V _{wm}	Peak Power Dissipation P _{PPM}	Package
		Min (V)	Max (V)	mA	V	V	A	uA	W	
SM8S10A	Unidirectional	11.10	12.30	5	10	17.0	388.0	15	6600	DO-218AB
SM8S11A	Unidirectional	12.20	13.50	5	11	18.2	363.0	10	6600	DO-218AB
SM8S12A	Unidirectional	13.30	14.70	5	12	19.9	332.0	10	6600	DO-218AB
SM8S13A	Unidirectional	14.40	15.90	5	13	21.5	307.0	10	6600	DO-218AB
SM8S14A	Unidirectional	15.60	17.20	5	14	23.2	284.0	10	6600	DO-218AB
SM8S15A	Unidirectional	16.70	18.50	5	15	24.4	270.0	10	6600	DO-218AB
SM8S16A	Unidirectional	17.80	19.70	5	16	26.0	254.0	10	6600	DO-218AB
SM8S17A	Unidirectional	18.90	20.90	5	17	27.6	239.0	10	6600	DO-218AB
SM8S18A	Unidirectional	20.00	22.10	5	18	29.2	226.0	10	6600	DO-218AB
SM8S20A	Unidirectional	22.20	24.50	5	20	32.4	204.0	10	6600	DO-218AB
SM8S22A	Unidirectional	24.40	26.90	5	22	35.5	186.0	10	6600	DO-218AB
SM8S24A	Unidirectional	26.70	29.50	5	24	38.9	170.0	10	6600	DO-218AB
SM8S26A	Unidirectional	28.90	31.90	5	26	42.1	157.0	10	6600	DO-218AB
SM8S28A	Unidirectional	31.10	34.40	5	28	45.4	145.0	10	6600	DO-218AB
SM8S30A	Unidirectional	33.30	36.80	5	30	48.4	136.0	10	6600	DO-218AB
SM8S33A	Unidirectional	36.70	40.60	5	33	53.3	124.0	10	6600	DO-218AB
SM8S36A	Unidirectional	40.00	44.20	5	36	58.1	114.0	10	6600	DO-218AB
SM8S40A	Unidirectional	44.40	49.10	5	40	64.5	102.0	10	6600	DO-218AB
SM8S43A	Unidirectional	47.80	52.80	5	43	69.4	95.1	10	6600	DO-218AB
SM8S14CA	Bidirectional	15.60	17.20	5	14	23.2	284.0	10	6600	DO-218AB
SM8S15CA	Bidirectional	16.70	18.50	5	15	24.4	270.0	10	6600	DO-218AB
SM8S16CA	Bidirectional	17.80	19.70	5	16	26.0	254.0	10	6600	DO-218AB
SM8S17CA	Bidirectional	18.90	20.90	5	17	27.6	239.0	10	6600	DO-218AB
SM8S18CA	Bidirectional	20.00	22.10	5	18	29.2	226.0	10	6600	DO-218AB
SM8S20CA	Bidirectional	22.20	24.50	5	20	32.4	204.0	10	6600	DO-218AB
SM8S22CA	Bidirectional	24.40	26.90	5	22	35.5	186.0	10	6600	DO-218AB
SM8S24CA	Bidirectional	26.70	29.50	5	24	38.9	170.0	10	6600	DO-218AB
SM8S26CA	Bidirectional	28.90	31.90	5	26	42.1	157.0	10	6600	DO-218AB
SM8S28CA	Bidirectional	31.10	34.40	5	28	45.4	145.0	10	6600	DO-218AB
SM8S30CA	Bidirectional	33.30	36.80	5	30	48.4	136.0	10	6600	DO-218AB
SM8S33CA	Bidirectional	36.70	40.60	5	33	53.3	124.0	10	6600	DO-218AB
SM8S36CA	Bidirectional	40.00	44.20	5	36	58.1	114.0	10	6600	DO-218AB
SM8S40CA	Bidirectional	44.40	49.10	5	40	64.5	102.0	10	6600	DO-218AB
SM8S43CA	Bidirectional	47.80	52.80	5	43	69.4	95.1	10	6600	DO-218AB



DO-218AB

SMA Series Automotive Grade TVS

Part Number	Configuration	Breakdown Voltage VBR @ I _r		Test Current I _r	Reverse Standoff Voltage V _{wm}	Maximum Clamping Voltage V _c @ I _{pp}	Peak Pulse Current I _{pp}	Maximum Reverse Leakage I _r @ V _{wm}	Peak Power Dissipation P _{ppm}	Package
		Min (V)	Max (V)	mA	V	V	A	uA	W	
SMAJ10CAHE3	Bidirectional	11.10	12.30	1	10	17.0	23.5	5	400	SMA
SMAJ11CAHE3	Bidirectional	12.20	13.50	1	11	18.2	22.0	1	400	SMA
SMAJ12CAHE3	Bidirectional	13.30	14.70	1	12	19.9	20.1	1	400	SMA
SMAJ13CAHE3	Bidirectional	14.40	15.90	1	13	21.5	18.6	1	400	SMA
SMAJ14CAHE3	Bidirectional	15.60	17.20	1	14	23.2	17.2	1	400	SMA
SMAJ15CAHE3	Bidirectional	16.70	18.50	1	15	24.4	16.4	1	400	SMA
SMAJ16CAHE3	Bidirectional	17.80	19.70	1	16	26.0	15.3	1	400	SMA
SMAJ17CAHE3	Bidirectional	18.90	20.90	1	17	27.6	14.5	1	400	SMA
SMAJ18CAHE3	Bidirectional	20.00	22.10	1	18	29.2	13.7	1	400	SMA
SMAJ20CAHE3	Bidirectional	22.20	24.50	1	20	32.4	12.3	1	400	SMA
SMAJ22CAHE3	Bidirectional	24.40	26.90	1	22	35.5	11.2	1	400	SMA
SMAJ24CAHE3	Bidirectional	26.70	29.50	1	24	38.9	10.3	1	400	SMA
SMAJ26CAHE3	Bidirectional	28.90	31.90	1	26	42.1	9.5	1	400	SMA
SMAJ28CAHE3	Bidirectional	31.10	34.40	1	28	45.4	8.8	1	400	SMA
SMAJ30CAHE3	Bidirectional	33.30	36.80	1	30	48.4	8.3	1	400	SMA
SMAJ33CAHE3	Bidirectional	36.70	40.60	1	33	53.3	7.5	1	400	SMA
SMAJ36CAHE3	Bidirectional	40.00	44.20	1	36	58.1	6.9	1	400	SMA
SMAJ40CAHE3	Bidirectional	44.40	49.10	1	40	64.5	6.2	1	400	SMA
SMAJ43CAHE3	Bidirectional	47.80	52.80	1	43	69.4	5.7	1	400	SMA
SMAJ45CAHE3	Bidirectional	50.00	55.30	1	45	72.7	5.5	1	400	SMA
SMAJ48CAHE3	Bidirectional	53.30	58.90	1	48	77.4	5.2	1	400	SMA
SMAJ51CAHE3	Bidirectional	56.70	62.70	1	51	82.4	4.9	1	400	SMA
SMAJ54CAHE3	Bidirectional	60.00	66.30	1	54	87.1	4.6	1	400	SMA
SMAJ58CAHE3	Bidirectional	64.40	71.20	1	58	93.6	4.3	1	400	SMA
SMAJ60CAHE3	Bidirectional	66.70	73.70	1	60	96.8	4.1	1	400	SMA
SMAJ64CAHE3	Bidirectional	71.10	78.60	1	64	103.0	3.9	1	400	SMA
SMAJ70CAHE3	Bidirectional	77.80	86.00	1	70	113.0	3.5	1	400	SMA
SMAJ75CAHE3	Bidirectional	83.30	92.10	1	75	121.0	3.3	1	400	SMA
SMAJ78CAHE3	Bidirectional	86.70	95.80	1	78	126.0	2.2	1	400	SMA
SMAJ85CAHE3	Bidirectional	94.40	104.00	1	85	137.0	2.9	1	400	SMA
SMAJ10AHE3	Unidirectional	11.10	12.30	1	10	17.0	23.5	5	400	SMA
SMAJ11AHE3	Unidirectional	12.20	13.50	1	11	18.2	22.0	1	400	SMA
SMAJ12AHE3	Unidirectional	13.30	14.70	1	12	19.9	20.1	1	400	SMA
SMAJ13AHE3	Unidirectional	14.40	15.90	1	13	21.5	18.6	1	400	SMA
SMAJ14AHE3	Unidirectional	15.60	17.20	1	14	23.2	17.2	1	400	SMA
SMAJ15AHE3	Unidirectional	16.70	18.50	1	15	24.4	16.4	1	400	SMA
SMAJ16AHE3	Unidirectional	17.80	19.70	1	16	26.0	15.3	1	400	SMA
SMAJ17AHE3	Unidirectional	18.90	20.90	1	17	27.6	14.5	1	400	SMA



SMA

SMA Series Automotive Grade TVS

Part Number	Configuration	Breakdown Voltage VBR @ I _r		Test Current I _r	Reverse Standoff Voltage V _{wm}	Maximum Clamping Voltage V _c @ I _{pp}	Peak Pulse Current I _{pp}	Maximum Reverse Leakage I _o @ V _{wm}	Peak Power Dissipation P _{PPM}	Package
		Min (V)	Max (V)	mA	V	V	A	uA	W	
SMAJ18AHE3	Unidirectional	20.00	22.10	1	18	29.2	13.7	1	400	SMA
SMAJ20AHE3	Unidirectional	22.20	24.50	1	20	32.4	12.3	1	400	SMA
SMAJ22AHE3	Unidirectional	24.40	26.90	1	22	35.5	11.2	1	400	SMA
SMAJ24AHE3	Unidirectional	26.70	29.50	1	24	38.9	10.3	1	400	SMA
SMAJ26AHE3	Unidirectional	28.90	31.90	1	26	42.1	9.5	1	400	SMA
SMAJ28AHE3	Unidirectional	31.10	34.40	1	28	45.4	8.8	1	400	SMA
SMAJ30AHE3	Unidirectional	33.30	36.80	1	30	48.4	8.3	1	400	SMA
SMAJ33AHE3	Unidirectional	36.70	40.60	1	33	53.3	7.5	1	400	SMA
SMAJ36AHE3	Unidirectional	40.00	44.20	1	36	58.1	6.9	1	400	SMA
SMAJ40AHE3	Unidirectional	44.40	49.10	1	40	64.5	6.2	1	400	SMA
SMAJ43AHE3	Unidirectional	47.80	52.80	1	43	69.4	5.7	1	400	SMA
SMAJ45AHE3	Unidirectional	50.00	55.30	1	45	72.7	5.5	1	400	SMA
SMAJ48AHE3	Unidirectional	53.30	58.90	1	48	77.4	5.2	1	400	SMA
SMAJ51AHE3	Unidirectional	56.70	62.70	1	51	82.4	4.9	1	400	SMA
SMAJ54AHE3	Unidirectional	60.00	66.30	1	54	87.1	4.6	1	400	SMA
SMAJ58AHE3	Unidirectional	64.40	71.20	1	58	93.6	4.3	1	400	SMA
SMAJ60AHE3	Unidirectional	66.70	73.70	1	60	96.8	4.1	1	400	SMA
SMAJ64AHE3	Unidirectional	71.10	78.60	1	64	103.0	3.9	1	400	SMA
SMAJ70AHE3	Unidirectional	77.80	86.00	1	70	113.0	3.5	1	400	SMA
SMAJ75AHE3	Unidirectional	83.30	92.10	1	75	121.0	3.3	1	400	SMA
SMAJ78AHE3	Unidirectional	86.70	95.80	1	78	126.0	2.2	1	400	SMA
SMAJ85AHE3	Unidirectional	94.40	104.00	1	85	137.0	2.9	1	400	SMA
SMAJP4KE100CAHE3	Bidirectional	95.00	105.00	1	85.5	137.0	3.0	1	400	SMA
SMAJP4KE12CAHE3	Bidirectional	11.40	12.60	1	10.2	16.7	24.6	5	400	SMA
SMAJP4KE13CAHE3	Bidirectional	12.40	13.70	1	11.1	18.2	22.5	1	400	SMA
SMAJP4KE15CAHE3	Bidirectional	14.30	15.80	1	12.8	21.2	19.3	1	400	SMA
SMAJP4KE16CAHE3	Bidirectional	15.20	16.80	1	13.6	22.5	18.2	1	400	SMA
SMAJP4KE18CAHE3	Bidirectional	17.10	18.90	1	15.3	25.5	16.1	1	400	SMA
SMAJP4KE20CAHE3	Bidirectional	19.00	21.00	1	17.1	27.7	14.8	1	400	SMA
SMAJP4KE22CAHE3	Bidirectional	20.90	23.10	1	18.8	30.6	13.4	1	400	SMA
SMAJP4KE24CAHE3	Bidirectional	22.80	25.20	1	20.5	33.2	12.3	1	400	SMA
SMAJP4KE27CAHE3	Bidirectional	25.70	28.40	1	23.1	37.5	10.9	1	400	SMA
SMAJP4KE30CAHE3	Bidirectional	28.50	31.50	1	25.6	41.4	9.9	1	400	SMA
SMAJP4KE33CAHE3	Bidirectional	31.40	34.70	1	28.2	45.7	9.0	1	400	SMA
SMAJP4KE36CAHE3	Bidirectional	34.20	37.80	1	30.8	49.9	8.2	1	400	SMA
SMAJP4KE39CAHE3	Bidirectional	37.10	41.00	1	33.3	53.9	7.6	1	400	SMA
SMAJP4KE43CAHE3	Bidirectional	40.90	45.20	1	36.8	59.3	6.9	1	400	SMA
SMAJP4KE47CAHE3	Bidirectional	44.70	49.40	1	40.2	64.8	6.3	1	400	SMA



SMA

SMA Series Automotive Grade TVS

Part Number	Configuration	Breakdown Voltage VBR @ I _r		Test Current I _r	Reverse Standoff Voltage V _{wm}	Maximum Clamping Voltage V _c @ I _{pp}	Peak Pulse Current I _{pp}	Maximum Reverse Leakage I _o @ V _{wm}	Peak Power Dissipation P _{PPM}	Package
		Min (V)	Max (V)	mA	V	V	A	uA	W	
SMAJP4KE51CAHE3	Bidirectional	48.50	53.60	1	43.6	70.1	5.8	1	400	SMA
SMAJP4KE56CAHE3	Bidirectional	53.20	58.80	1	47.8	77.0	5.3	1	400	SMA
SMAJP4KE62CAHE3	Bidirectional	58.90	65.10	1	53	85.0	4.8	1	400	SMA
SMAJP4KE68CAHE3	Bidirectional	64.60	71.40	1	58.1	92.0	4.5	1	400	SMA
SMAJP4KE75CAHE3	Bidirectional	71.30	78.80	1	64.1	103.0	4.0	1	400	SMA
SMAJP4KE82CAHE3	Bidirectional	77.90	86.10	1	70.1	113.0	3.6	1	400	SMA
SMAJP4KE91CAHE3	Bidirectional	86.50	95.50	1	77.8	125.0	3.3	1	400	SMA
SMAJP4KE100AHE3	Unidirectional	95.00	105.00	1	85.5	137.0	3.0	1	400	SMA
SMAJP4KE12AHE3	Unidirectional	11.40	12.60	1	10.2	16.7	24.6	5	400	SMA
SMAJP4KE13AHE3	Unidirectional	12.40	13.70	1	11.1	18.2	22.5	1	400	SMA
SMAJP4KE15AHE3	Unidirectional	14.30	15.80	1	12.8	21.2	19.3	1	400	SMA
SMAJP4KE16AHE3	Unidirectional	15.20	16.80	1	13.6	22.5	18.2	1	400	SMA
SMAJP4KE18AHE3	Unidirectional	17.10	18.90	1	15.3	25.5	16.1	1	400	SMA
SMAJP4KE20AHE3	Unidirectional	19.00	21.00	1	17.1	27.7	14.8	1	400	SMA
SMAJP4KE22AHE3	Unidirectional	20.90	23.10	1	18.8	30.6	13.4	1	400	SMA
SMAJP4KE24AHE3	Unidirectional	22.80	25.20	1	20.5	33.2	12.3	1	400	SMA
SMAJP4KE27AHE3	Unidirectional	25.70	28.40	1	23.1	37.5	10.9	1	400	SMA
SMAJP4KE30AHE3	Unidirectional	28.50	31.50	1	25.6	41.4	9.9	1	400	SMA
SMAJP4KE33AHE3	Unidirectional	31.40	34.70	1	28.2	45.7	9.0	1	400	SMA
SMAJP4KE36AHE3	Unidirectional	34.20	37.80	1	30.8	49.9	8.2	1	400	SMA
SMAJP4KE39AHE3	Unidirectional	37.10	41.00	1	33.3	53.9	7.6	1	400	SMA
SMAJP4KE43AHE3	Unidirectional	40.90	45.20	1	36.8	59.3	6.9	1	400	SMA
SMAJP4KE47AHE3	Unidirectional	44.70	49.40	1	40.2	64.8	6.3	1	400	SMA
SMAJP4KE51AHE3	Unidirectional	48.50	53.60	1	43.6	70.1	5.8	1	400	SMA
SMAJP4KE56AHE3	Unidirectional	53.20	58.80	1	47.8	77.0	5.3	1	400	SMA
SMAJP4KE62AHE3	Unidirectional	58.90	65.10	1	53	85.0	4.8	1	400	SMA
SMAJP4KE68AHE3	Unidirectional	64.60	71.40	1	58.1	92.0	4.5	1	400	SMA
SMAJP4KE75AHE3	Unidirectional	71.30	78.80	1	64.1	103.0	4.0	1	400	SMA
SMAJP4KE82AHE3	Unidirectional	77.90	86.10	1	70.1	113.0	3.6	1	400	SMA
SMAJP4KE91AHE3	Unidirectional	86.50	95.50	1	77.8	125.0	3.3	1	400	SMA



SMA

SMB Series Automotive Grade TVS

Part Number	Configuration	Breakdown Voltage VBR @ I _r		Test Current I _r	Reverse Standoff Voltage V _{wm}	Maximum Clamping Voltage V _c @ I _{pp}	Peak Pulse Current I _{pp}	Maximum Reverse Leakage I _o @ V _{wm}	Peak Power Dissipation P _{PPM}	Package
		Min (V)	Max (V)	mA	V	V	A	uA	W	
SMBJ11CAHE3	Bidirectional	12.20	13.50	1	11	18.2	33.0	5	600	SMB
SMBJ12CAHE3	Bidirectional	13.30	14.70	1	12	19.9	30.2	5	600	SMB
SMBJ13CAHE3	Bidirectional	14.40	15.90	1	13	21.5	27.9	5	600	SMB
SMBJ14CAHE3	Bidirectional	15.60	17.20	1	14	23.2	25.8	5	600	SMB
SMBJ15CAHE3	Bidirectional	16.70	18.50	1	15	24.4	24.0	5	600	SMB
SMBJ16CAHE3	Bidirectional	17.80	19.70	1	16	26.0	23.1	5	600	SMB
SMBJ17CAHE3	Bidirectional	18.90	20.90	1	17	27.6	21.7	5	600	SMB
SMBJ18CAHE3	Bidirectional	20.00	22.10	1	18	29.2	20.5	5	600	SMB
SMBJ20CAHE3	Bidirectional	22.20	24.50	1	20	32.4	18.5	5	600	SMB
SMBJ22CAHE3	Bidirectional	24.40	26.90	1	22	35.5	16.9	5	600	SMB
SMBJ24CAHE3	Bidirectional	26.70	29.50	1	24	38.9	15.4	5	600	SMB
SMBJ26CAHE3	Bidirectional	28.90	31.90	1	26	42.1	14.2	5	600	SMB
SMBJ28CAHE3	Bidirectional	31.10	34.40	1	28	45.4	13.2	5	600	SMB
SMBJ30CAHE3	Bidirectional	33.30	36.80	1	30	48.4	12.4	5	600	SMB
SMBJ33CAHE3	Bidirectional	36.70	40.60	1	33	53.3	11.3	5	600	SMB
SMBJ36CAHE3	Bidirectional	40.00	44.20	1	36	58.1	10.3	5	600	SMB
SMBJ40CAHE3	Bidirectional	44.40	49.10	1	40	64.5	9.3	5	600	SMB
SMBJ43CAHE3	Bidirectional	47.80	52.80	1	43	69.4	8.6	5	600	SMB
SMBJ45CAHE3	Bidirectional	50.00	55.30	1	45	72.7	8.3	5	600	SMB
SMBJ48CAHE3	Bidirectional	53.30	58.90	1	48	77.4	7.7	5	600	SMB
SMBJ51CAHE3	Bidirectional	56.70	62.70	1	51	82.4	7.3	5	600	SMB
SMBJ54CAHE3	Bidirectional	60.00	66.30	1	54	87.1	6.9	5	600	SMB
SMBJ58CAHE3	Bidirectional	64.40	71.20	1	58	93.6	6.4	5	600	SMB
SMBJ60CAHE3	Bidirectional	66.70	73.70	1	60	96.8	6.2	5	600	SMB
SMBJ64CAHE3	Bidirectional	71.10	78.60	1	64	103.0	5.8	5	600	SMB
SMBJ70CAHE3	Bidirectional	77.80	86.00	1	70	113.0	5.3	5	600	SMB
SMBJ75CAHE3	Bidirectional	83.30	92.10	1	75	121.0	4.9	5	600	SMB
SMBJ78CAHE3	Bidirectional	86.70	95.80	1	78	126.0	4.7	5	600	SMB
SMBJ11AHE3	Unidirectional	12.20	13.50	1	11	18.2	33.0	5	600	SMB
SMBJ12AHE3	Unidirectional	13.30	14.70	1	12	19.9	30.2	5	600	SMB
SMBJ13AHE3	Unidirectional	14.40	15.90	1	13	21.5	27.9	5	600	SMB
SMBJ14AHE3	Unidirectional	15.60	17.20	1	14	23.2	25.8	5	600	SMB
SMBJ15AHE3	Unidirectional	16.70	18.50	1	15	24.4	24.0	5	600	SMB
SMBJ16AHE3	Unidirectional	17.80	19.70	1	16	26.0	23.1	5	600	SMB
SMBJ17AHE3	Unidirectional	18.90	20.90	1	17	27.6	21.7	5	600	SMB
SMBJ18AHE3	Unidirectional	20.00	22.10	1	18	29.2	20.5	5	600	SMB
SMBJ20AHE3	Unidirectional	22.20	24.50	1	20	32.4	18.5	5	600	SMB
SMBJ22AHE3	Unidirectional	24.40	26.90	1	22	35.5	16.9	5	600	SMB



SMB

SMB Series Automotive Grade TVS

Part Number	Configuration	Breakdown Voltage VBR @ I _r		Test Current I _r	Reverse Standoff Voltage V _{wm}	Maximum Clamping Voltage V _c @ I _{pp}	Peak Pulse Current I _{pp}	Maximum Reverse Leakage I _o @V _{wm}	Peak Power Dissipation P _{PPM}	Package
		Min (V)	Max (V)	mA	V	V	A	uA	W	
SMBJ24AHE3	Unidirectional	26.70	29.50	1	24	38.9	15.4	5	600	SMB
SMBJ26AHE3	Unidirectional	28.90	31.90	1	26	42.1	14.2	5	600	SMB
SMBJ28AHE3	Unidirectional	31.10	34.40	1	28	45.4	13.2	5	600	SMB
SMBJ30AHE3	Unidirectional	33.30	36.80	1	30	48.4	12.4	5	600	SMB
SMBJ33AHE3	Unidirectional	36.70	40.60	1	33	53.3	11.3	5	600	SMB
SMBJ36AHE3	Unidirectional	40.00	44.20	1	36	58.1	10.3	5	600	SMB
SMBJ40AHE3	Unidirectional	44.40	49.10	1	40	64.5	9.3	5	600	SMB
SMBJ43AHE3	Unidirectional	47.80	52.80	1	43	69.4	8.6	5	600	SMB
SMBJ45AHE3	Unidirectional	50.00	55.30	1	45	72.7	8.3	5	600	SMB
SMBJ48AHE3	Unidirectional	53.30	58.90	1	48	77.4	7.7	5	600	SMB
SMBJ51AHE3	Unidirectional	56.70	62.70	1	51	82.4	7.3	5	600	SMB
SMBJ54AHE3	Unidirectional	60.00	66.30	1	54	87.1	6.9	5	600	SMB
SMBJ58AHE3	Unidirectional	64.40	71.20	1	58	93.6	6.4	5	600	SMB
SMBJ60AHE3	Unidirectional	66.70	73.70	1	60	96.8	6.2	5	600	SMB
SMBJ64AHE3	Unidirectional	71.10	78.60	1	64	103.0	5.8	5	600	SMB
SMBJ70AHE3	Unidirectional	77.80	86.00	1	70	113.0	5.3	5	600	SMB
SMBJ75AHE3	Unidirectional	83.30	92.10	1	75	121.0	4.9	5	600	SMB
SMBJ78AHE3	Unidirectional	86.70	95.80	1	78	126.0	4.7	5	600	SMB
SMBJP6KE13CAHE3	Bidirectional	12.40	13.70	1	11.1	18.2	33.5	1	600	SMB
SMBJP6KE15CAHE3	Bidirectional	14.30	15.80	1	12.8	21.2	28.8	1	600	SMB
SMBJP6KE16CAHE3	Bidirectional	15.20	16.80	1	13.6	22.5	27.1	1	600	SMB
SMBJP6KE18CAHE3	Bidirectional	17.10	18.90	1	15.3	25.5	24.2	1	600	SMB
SMBJP6KE20CAHE3	Bidirectional	19.00	21.00	1	17.1	27.7	22.0	1	600	SMB
SMBJP6KE22CAHE3	Bidirectional	20.90	23.10	1	18.8	30.6	19.9	1	600	SMB
SMBJP6KE24CAHE3	Bidirectional	22.80	25.20	1	20.5	33.2	18.4	1	600	SMB
SMBJP6KE27CAHE3	Bidirectional	25.70	28.40	1	23.1	37.5	16.3	1	600	SMB
SMBJP6KE30CAHE3	Bidirectional	28.50	31.50	1	25.6	41.4	14.7	1	600	SMB
SMBJP6KE33CAHE3	Bidirectional	31.40	34.70	1	28.2	45.7	13.3	1	600	SMB
SMBJP6KE36CAHE3	Bidirectional	34.20	37.80	1	30.8	49.9	12.2	1	600	SMB
SMBJP6KE39CAHE3	Bidirectional	37.10	41.00	1	33.3	53.9	11.3	1	600	SMB
SMBJP6KE43CAHE3	Bidirectional	40.90	45.20	1	36.8	59.3	10.3	1	600	SMB
SMBJP6KE47CAHE3	Bidirectional	44.70	49.40	1	40.2	64.8	9.4	1	600	SMB
SMBJP6KE51CAHE3	Bidirectional	48.50	53.60	1	43.6	70.1	8.7	1	600	SMB
SMBJP6KE56CAHE3	Bidirectional	53.20	58.80	1	47.8	77.0	7.9	1	600	SMB
SMBJP6KE62CAHE3	Bidirectional	58.90	65.10	1	53	85.0	7.2	1	600	SMB
SMBJP6KE68CAHE3	Bidirectional	64.60	71.40	1	58.1	92.0	6.6	1	600	SMB
SMBJP6KE75CAHE3	Bidirectional	71.30	78.80	1	64.1	103.0	5.9	1	600	SMB
SMBJP6KE82CAHE3	Bidirectional	77.90	86.10	1	70.1	113.0	5.4	1	600	SMB



SMB

SMB Series Automotive Grade TVS

Part Number	Configuration	Breakdown Voltage VBR @ I _r		Test Current I _r	Reverse Standoff Voltage V _{wm}	Maximum Clamping Voltage V _c @ I _{pp}	Peak Pulse Current I _{pp}	Maximum Reverse Leakage I _b @ V _{wm}	Peak Power Dissipation P _{PPM}	Package
		Min (V)	Max (V)	mA	V	V	A	uA	W	
SMBJP6KE91CAHE3	Bidirectional	86.50	95.50	1	77.8	125.0	4.9	1	600	SMB
SMBJP6KE13AHE3	Unidirectional	12.40	13.70	1	11.1	18.2	33.5	1	600	SMB
SMBJP6KE15AHE3	Unidirectional	14.30	15.80	1	12.8	21.2	28.8	1	600	SMB
SMBJP6KE16AHE3	Unidirectional	15.20	16.80	1	13.6	22.5	27.1	1	600	SMB
SMBJP6KE18AHE3	Unidirectional	17.10	18.90	1	15.3	25.5	24.2	1	600	SMB
SMBJP6KE20AHE3	Unidirectional	19.00	21.00	1	17.1	27.7	22.0	1	600	SMB
SMBJP6KE22AHE3	Unidirectional	20.90	23.10	1	18.8	30.6	19.9	1	600	SMB
SMBJP6KE24AHE3	Unidirectional	22.80	25.20	1	20.5	33.2	18.4	1	600	SMB
SMBJP6KE27AHE3	Unidirectional	25.70	28.40	1	23.1	37.5	16.3	1	600	SMB
SMBJP6KE30AHE3	Unidirectional	28.50	31.50	1	25.6	41.4	14.7	1	600	SMB
SMBJP6KE33AHE3	Unidirectional	31.40	34.70	1	28.2	45.7	13.3	1	600	SMB
SMBJP6KE36AHE3	Unidirectional	34.20	37.80	1	30.8	49.9	12.2	1	600	SMB
SMBJP6KE39AHE3	Unidirectional	37.10	41.00	1	33.3	53.9	11.3	1	600	SMB
SMBJP6KE43AHE3	Unidirectional	40.90	45.20	1	36.8	59.3	10.3	1	600	SMB
SMBJP6KE47AHE3	Unidirectional	44.70	49.40	1	40.2	64.8	9.4	1	600	SMB
SMBJP6KE51AHE3	Unidirectional	48.50	53.60	1	43.6	70.1	8.7	1	600	SMB
SMBJP6KE56AHE3	Unidirectional	53.20	58.80	1	47.8	77.0	7.9	1	600	SMB
SMBJP6KE62AHE3	Unidirectional	58.90	65.10	1	53	85.0	7.2	1	600	SMB
SMBJP6KE68AHE3	Unidirectional	64.60	71.40	1	58.1	92.0	6.6	1	600	SMB
SMBJP6KE75AHE3	Unidirectional	71.30	78.80	1	64.1	103.0	5.9	1	600	SMB
SMBJP6KE82AHE3	Unidirectional	77.90	86.10	1	70.1	113.0	5.4	1	600	SMB
SMBJP6KE91AHE3	Unidirectional	86.50	95.50	1	77.8	125.0	4.9	1	600	SMB



SMB

▶ SMC Series Automotive Grade TVS

Part Number	Configuration	Breakdown Voltage VBR @ I _r		Test Current I _r	Reverse Standoff Voltage V _{wm}	Maximum Clamping Voltage V _c @ I _{pp}	Peak Pulse Current I _{pp}	Maximum Reverse Leakage I _o @V _{wm}	Peak Power Dissipation P _{PPM}	Package
		Min (V)	Max (V)	mA	V	V	A	uA	W	
5.0SMLJ10CAHE3	Bidirectional	11.10	12.30	1	10	17.0	294.1	5	5000	SMC
5.0SMLJ11CAHE3	Bidirectional	12.20	13.50	1	11	18.2	275.0	2	5000	SMC
5.0SMLJ12CAHE3	Bidirectional	13.30	14.70	1	12	19.9	252.0	2	5000	SMC
5.0SMLJ13CAHE3	Bidirectional	14.40	15.90	1	13	21.5	233.0	2	5000	SMC
5.0SMLJ14CAHE3	Bidirectional	15.60	17.20	1	14	23.2	216.0	2	5000	SMC
5.0SMLJ15CAHE3	Bidirectional	16.70	18.50	1	15	24.4	205.0	2	5000	SMC
5.0SMLJ16CAHE3	Bidirectional	17.80	19.70	1	16	26.0	193.0	2	5000	SMC
5.0SMLJ17CAHE3	Bidirectional	18.90	20.90	1	17	27.6	181.0	2	5000	SMC
5.0SMLJ18CAHE3	Bidirectional	20.00	22.10	1	18	29.2	172.0	2	5000	SMC
5.0SMLJ19CAHE3	Bidirectional	21.10	23.30	1	19	30.8	162.4	2	5000	SMC
5.0SMLJ20CAHE3	Bidirectional	22.20	24.50	1	20	32.4	155.0	2	5000	SMC
5.0SMLJ22CAHE3	Bidirectional	24.40	26.90	1	22	35.5	141.0	2	5000	SMC
5.0SMLJ24CAHE3	Bidirectional	26.70	29.50	1	24	38.9	129.0	2	5000	SMC
5.0SMLJ26CAHE3	Bidirectional	28.90	31.90	1	26	42.1	119.0	2	5000	SMC
5.0SMLJ28CAHE3	Bidirectional	31.10	34.40	1	28	45.4	110.0	2	5000	SMC
5.0SMLJ30CAHE3	Bidirectional	33.30	36.80	1	30	48.4	103.0	2	5000	SMC
5.0SMLJ33CAHE3	Bidirectional	36.70	40.60	1	33	53.3	93.9	2	5000	SMC
5.0SMLJ36CAHE3	Bidirectional	40.00	44.20	1	36	58.1	86.1	2	5000	SMC
5.0SMLJ40CAHE3	Bidirectional	44.40	49.10	1	40	64.5	77.6	2	5000	SMC
5.0SMLJ43CAHE3	Bidirectional	47.80	52.80	1	43	69.4	72.1	2	5000	SMC
5.0SMLJ45CAHE3	Bidirectional	50.00	55.30	1	45	72.7	68.8	2	5000	SMC
5.0SMLJ48CAHE3	Bidirectional	53.30	58.90	1	48	77.4	64.7	2	5000	SMC
5.0SMLJ51CAHE3	Bidirectional	56.70	62.70	1	51	82.4	60.7	2	5000	SMC
5.0SMLJ54CAHE3	Bidirectional	60.00	66.30	1	54	87.1	57.5	2	5000	SMC
5.0SMLJ58CAHE3	Bidirectional	64.40	71.20	1	58	93.6	53.5	2	5000	SMC
5.0SMLJ10AHE3	Unidirectional	11.10	12.30	1	10	17.0	294.1	5	5000	SMC
5.0SMLJ11AHE3	Unidirectional	12.20	13.50	1	11	18.2	275.0	2	5000	SMC
5.0SMLJ12AHE3	Unidirectional	13.30	14.70	1	12	19.9	252.0	2	5000	SMC
5.0SMLJ13AHE3	Unidirectional	14.40	15.90	1	13	21.5	233.0	2	5000	SMC
5.0SMLJ14AHE3	Unidirectional	15.60	17.20	1	14	23.2	216.0	2	5000	SMC
5.0SMLJ15AHE3	Unidirectional	16.70	18.50	1	15	24.4	205.0	2	5000	SMC
5.0SMLJ16AHE3	Unidirectional	17.80	19.70	1	16	26.0	193.0	2	5000	SMC
5.0SMLJ17AHE3	Unidirectional	18.90	20.90	1	17	27.6	181.0	2	5000	SMC
5.0SMLJ18AHE3	Unidirectional	20.00	22.10	1	18	29.2	172.0	2	5000	SMC
5.0SMLJ19AHE3	Unidirectional	21.10	23.30	1	19	30.8	162.4	2	5000	SMC
5.0SMLJ20AHE3	Unidirectional	22.20	24.50	1	20	32.4	155.0	2	5000	SMC
5.0SMLJ22AHE3	Unidirectional	24.40	26.90	1	22	35.5	141.0	2	5000	SMC
5.0SMLJ24AHE3	Unidirectional	26.70	29.50	1	24	38.9	129.0	2	5000	SMC



SMC

▶ SMC Series Automotive Grade TVS

Part Number	Configuration	Breakdown Voltage VBR @ I _r		Test Current I _r	Reverse Standoff Voltage V _{wm}	Maximum Clamping Voltage V _c @ I _{pp}	Peak Pulse Current I _{pp}	Maximum Reverse Leakage I _o @ V _{wm}	Peak Power Dissipation P _{PPM}	Package
		Min (V)	Max (V)	mA	V	V	A	uA	W	
5.0SMLJ26AHE3	Unidirectional	28.90	31.90	1	26	42.1	119.0	2	5000	SMC
5.0SMLJ28AHE3	Unidirectional	31.10	34.40	1	28	45.4	110.0	2	5000	SMC
5.0SMLJ30AHE3	Unidirectional	33.30	36.80	1	30	48.4	103.0	2	5000	SMC
5.0SMLJ33AHE3	Unidirectional	36.70	40.60	1	33	53.3	93.9	2	5000	SMC
5.0SMLJ36AHE3	Unidirectional	40.00	44.20	1	36	58.1	86.1	2	5000	SMC
5.0SMLJ40AHE3	Unidirectional	44.40	49.10	1	40	64.5	77.6	2	5000	SMC
5.0SMLJ43AHE3	Unidirectional	47.80	52.80	1	43	69.4	72.1	2	5000	SMC
5.0SMLJ45AHE3	Unidirectional	50.00	55.30	1	45	72.7	68.8	2	5000	SMC
5.0SMLJ48AHE3	Unidirectional	53.30	58.90	1	48	77.4	64.7	2	5000	SMC
5.0SMLJ51AHE3	Unidirectional	56.70	62.70	1	51	82.4	60.7	2	5000	SMC
5.0SMLJ54AHE3	Unidirectional	60.00	66.30	1	54	87.1	57.5	2	5000	SMC
5.0SMLJ58AHE3	Unidirectional	64.40	71.20	1	58	93.6	53.5	2	5000	SMC
SMCJ1.5KE12CAHE3	Bidirectional	11.40	12.60	1	10.2	16.7	91.0	5	1500	SMC
SMCJ1.5KE13CAHE3	Bidirectional	12.40	13.70	1	11.1	18.2	83.5	1	1500	SMC
SMCJ1.5KE15CAHE3	Bidirectional	14.30	15.80	1	12.8	21.2	71.7	1	1500	SMC
SMCJ1.5KE16CAHE3	Bidirectional	15.20	16.80	1	13.6	22.5	67.6	1	1500	SMC
SMCJ1.5KE18CAHE3	Bidirectional	17.10	18.90	1	15.3	25.5	60.3	1	1500	SMC
SMCJ1.5KE20CAHE3	Bidirectional	19.00	21.00	1	17.1	27.7	54.9	1	1500	SMC
SMCJ1.5KE22CAHE3	Bidirectional	20.90	23.10	1	18.8	30.6	49.7	1	1500	SMC
SMCJ1.5KE24CAHE3	Bidirectional	22.80	25.20	1	20.5	33.2	45.8	1	1500	SMC
SMCJ1.5KE27CAHE3	Bidirectional	25.70	28.40	1	23.1	37.5	40.5	1	1500	SMC
SMCJ1.5KE30CAHE3	Bidirectional	28.50	31.50	1	25.6	41.4	36.7	1	1500	SMC
SMCJ1.5KE33CAHE3	Bidirectional	31.40	34.70	1	28.2	45.7	33.3	1	1500	SMC
SMCJ1.5KE36CAHE3	Bidirectional	34.20	37.80	1	30.8	49.9	30.5	1	1500	SMC
SMCJ1.5KE39CAHE3	Bidirectional	37.10	41.00	1	33.3	53.9	28.2	1	1500	SMC
SMCJ1.5KE43CAHE3	Bidirectional	40.90	45.20	1	36.8	59.3	25.6	1	1500	SMC
SMCJ1.5KE47CAHE3	Bidirectional	44.70	49.40	1	40.2	64.8	23.5	1	1500	SMC
SMCJ1.5KE51CAHE3	Bidirectional	48.50	53.60	1	43.6	70.1	21.7	1	1500	SMC
SMCJ1.5KE56CAHE3	Bidirectional	53.20	58.80	1	47.8	77.0	19.7	1	1500	SMC
SMCJ1.5KE62CAHE3	Bidirectional	58.90	65.10	1	53	85.0	17.9	1	1500	SMC
SMCJ1.5KE68CAHE3	Bidirectional	64.60	71.40	1	58.1	92.0	16.5	1	1500	SMC
SMCJ1.5KE75CAHE3	Bidirectional	71.30	78.80	1	64.1	103.0	14.8	1	1500	SMC
SMCJ1.5KE82CAHE3	Bidirectional	77.90	86.10	1	70.1	113.0	13.5	1	1500	SMC
SMCJ1.5KE91CAHE3	Bidirectional	86.50	95.50	1	77.8	125.0	12.2	1	1500	SMC
SMCJ1.5KE12AHE3	Unidirectional	11.40	12.60	1	10.2	16.7	91.0	5	1500	SMC
SMCJ1.5KE13AHE3	Unidirectional	12.40	13.70	1	11.1	18.2	83.5	1	1500	SMC
SMCJ1.5KE15AHE3	Unidirectional	14.30	15.80	1	12.8	21.2	71.7	1	1500	SMC
SMCJ1.5KE16AHE3	Unidirectional	15.20	16.80	1	13.6	22.5	67.6	1	1500	SMC



SMC

▶ SMC Series Automotive Grade TVS

Part Number	Configuration	Breakdown Voltage VBR @ I _r		Test Current I _r	Reverse Standoff Voltage V _{wm}	Maximum Clamping Voltage V _c @ I _{pp}	Peak Pulse Current I _{pp}	Maximum Reverse Leakage I _o @V _{wm}	Peak Power Dissipation P _{PPM}	Package
		Min (V)	Max (V)	mA	V	V	A	uA	W	
SMCJ1.5KE18AHE3	Unidirectional	17.10	18.90	1	15.3	25.5	60.3	1	1500	SMC
SMCJ1.5KE20AHE3	Unidirectional	19.00	21.00	1	17.1	27.7	54.9	1	1500	SMC
SMCJ1.5KE22AHE3	Unidirectional	20.90	23.10	1	18.8	30.6	49.7	1	1500	SMC
SMCJ1.5KE24AHE3	Unidirectional	22.80	25.20	1	20.5	33.2	45.8	1	1500	SMC
SMCJ1.5KE27AHE3	Unidirectional	25.70	28.40	1	23.1	37.5	40.5	1	1500	SMC
SMCJ1.5KE30AHE3	Unidirectional	28.50	31.50	1	25.6	41.4	36.7	1	1500	SMC
SMCJ1.5KE33AHE3	Unidirectional	31.40	34.70	1	28.2	45.7	33.3	1	1500	SMC
SMCJ1.5KE36AHE3	Unidirectional	34.20	37.80	1	30.8	49.9	30.5	1	1500	SMC
SMCJ1.5KE39AHE3	Unidirectional	37.10	41.00	1	33.3	53.9	28.2	1	1500	SMC
SMCJ1.5KE43AHE3	Unidirectional	40.90	45.20	1	36.8	59.3	25.6	1	1500	SMC
SMCJ1.5KE47AHE3	Unidirectional	44.70	49.40	1	40.2	64.8	23.5	1	1500	SMC
SMCJ1.5KE51AHE3	Unidirectional	48.50	53.60	1	43.6	70.1	21.7	1	1500	SMC
SMCJ1.5KE56AHE3	Unidirectional	53.20	58.80	1	47.8	77.0	19.7	1	1500	SMC
SMCJ1.5KE62AHE3	Unidirectional	58.90	65.10	1	53	85.0	17.9	1	1500	SMC
SMCJ1.5KE68AHE3	Unidirectional	64.60	71.40	1	58.1	92.0	16.5	1	1500	SMC
SMCJ1.5KE75AHE3	Unidirectional	71.30	78.80	1	64.1	103.0	14.8	1	1500	SMC
SMCJ1.5KE82AHE3	Unidirectional	77.90	86.10	1	70.1	113.0	13.5	1	1500	SMC
SMCJ1.5KE91AHE3	Unidirectional	86.50	95.50	1	77.8	125.0	12.2	1	1500	SMC
SMCJ10CAHE3	Bidirectional	11.10	12.30	1	10	17.0	88.2	5	1500	SMC
SMCJ11CAHE3	Bidirectional	12.20	13.50	1	11	18.2	82.4	1	1500	SMC
SMCJ12CAHE3	Bidirectional	13.30	14.70	1	12	19.9	75.3	1	1500	SMC
SMCJ13CAHE3	Bidirectional	14.40	15.90	1	13	21.5	69.7	1	1500	SMC
SMCJ14CAHE3	Bidirectional	15.60	17.20	1	14	23.2	64.7	1	1500	SMC
SMCJ15CAHE3	Bidirectional	16.70	18.50	1	15	24.4	61.5	1	1500	SMC
SMCJ16CAHE3	Bidirectional	17.80	19.70	1	16	26.0	57.7	1	1500	SMC
SMCJ17CAHE3	Bidirectional	18.90	20.90	1	17	27.6	53.3	1	1500	SMC
SMCJ18CAHE3	Bidirectional	20.00	22.10	1	18	29.2	51.4	1	1500	SMC
SMCJ20CAHE3	Bidirectional	22.20	24.50	1	20	32.4	46.3	1	1500	SMC
SMCJ22CAHE3	Bidirectional	24.40	26.90	1	22	35.5	42.2	1	1500	SMC
SMCJ24CAHE3	Bidirectional	26.70	29.50	1	24	38.9	38.6	1	1500	SMC
SMCJ26CAHE3	Bidirectional	28.90	31.90	1	26	42.1	35.6	1	1500	SMC
SMCJ28CAHE3	Bidirectional	31.10	34.40	1	28	45.4	33.0	1	1500	SMC
SMCJ30CAHE3	Bidirectional	33.30	36.80	1	30	48.4	31.0	1	1500	SMC
SMCJ33CAHE3	Bidirectional	36.70	40.60	1	33	53.3	28.1	1	1500	SMC
SMCJ36CAHE3	Bidirectional	40.00	44.20	1	36	58.1	25.8	1	1500	SMC
SMCJ40CAHE3	Bidirectional	44.40	49.10	1	40	64.5	23.2	1	1500	SMC
SMCJ43CAHE3	Bidirectional	47.80	52.80	1	43	69.4	21.6	1	1500	SMC
SMCJ45CAHE3	Bidirectional	50.00	55.30	1	45	72.7	20.6	1	1500	SMC



SMC

► SMC Series Automotive Grade TVS

Part Number	Configuration	Breakdown Voltage VBR @ I _r		Test Current I _r	Reverse Standoff Voltage V _{wm}	Maximum Clamping Voltage V _c @ I _{pp}	Peak Pulse Current I _{pp}	Maximum Reverse Leakage I _o @ V _{wm}	Peak Power Dissipation P _{PPM}	Package
		Min (V)	Max (V)	mA	V	V	A	uA	W	
SMCJ48CAHE3	Bidirectional	53.30	58.90	1	48	77.4	19.4	1	1500	SMC
SMCJ51CAHE3	Bidirectional	56.70	62.70	1	51	82.4	18.2	1	1500	SMC
SMCJ54CAHE3	Bidirectional	60.00	66.30	1	54	87.1	17.2	1	1500	SMC
SMCJ58CAHE3	Bidirectional	64.40	71.20	1	58	93.6	16.0	1	1500	SMC
SMCJ60CAHE3	Bidirectional	66.70	73.70	1	60	96.8	15.5	1	1500	SMC
SMCJ64CAHE3	Bidirectional	71.10	78.60	1	64	103.0	14.6	1	1500	SMC
SMCJ70CAHE3	Bidirectional	77.80	86.00	1	70	113.0	13.3	1	1500	SMC
SMCJ75CAHE3	Bidirectional	83.30	92.10	1	75	121.0	12.4	1	1500	SMC
SMCJ78CAHE3	Bidirectional	86.70	95.80	1	78	126.0	11.9	1	1500	SMC
SMCJ10AHE3	Unidirectional	11.10	12.30	1	10	17.0	88.2	5	1500	SMC
SMCJ11AHE3	Unidirectional	12.20	13.50	1	11	18.2	82.4	1	1500	SMC
SMCJ12AHE3	Unidirectional	13.30	14.70	1	12	19.9	75.3	1	1500	SMC
SMCJ13AHE3	Unidirectional	14.40	15.90	1	13	21.5	69.7	1	1500	SMC
SMCJ14AHE3	Unidirectional	15.60	17.20	1	14	23.2	64.7	1	1500	SMC
SMCJ15AHE3	Unidirectional	16.70	18.50	1	15	24.4	61.5	1	1500	SMC
SMCJ16AHE3	Unidirectional	17.80	19.70	1	16	26.0	57.7	1	1500	SMC
SMCJ17AHE3	Unidirectional	18.90	20.90	1	17	27.6	53.3	1	1500	SMC
SMCJ18AHE3	Unidirectional	20.00	22.10	1	18	29.2	51.4	1	1500	SMC
SMCJ20AHE3	Unidirectional	22.20	24.50	1	20	32.4	46.3	1	1500	SMC
SMCJ22AHE3	Unidirectional	24.40	26.90	1	22	35.5	42.2	1	1500	SMC
SMCJ24AHE3	Unidirectional	26.70	29.50	1	24	38.9	38.6	1	1500	SMC
SMCJ26AHE3	Unidirectional	28.90	31.90	1	26	42.1	35.6	1	1500	SMC
SMCJ28AHE3	Unidirectional	31.10	34.40	1	28	45.4	33.0	1	1500	SMC
SMCJ30AHE3	Unidirectional	33.30	36.80	1	30	48.4	31.0	1	1500	SMC
SMCJ33AHE3	Unidirectional	36.70	40.60	1	33	53.3	28.1	1	1500	SMC
SMCJ36AHE3	Unidirectional	40.00	44.20	1	36	58.1	25.8	1	1500	SMC
SMCJ40AHE3	Unidirectional	44.40	49.10	1	40	64.5	23.2	1	1500	SMC
SMCJ43AHE3	Unidirectional	47.80	52.80	1	43	69.4	21.6	1	1500	SMC
SMCJ45AHE3	Unidirectional	50.00	55.30	1	45	72.7	20.6	1	1500	SMC
SMCJ48AHE3	Unidirectional	53.30	58.90	1	48	77.4	19.4	1	1500	SMC
SMCJ51AHE3	Unidirectional	56.70	62.70	1	51	82.4	18.2	1	1500	SMC
SMCJ54AHE3	Unidirectional	60.00	66.30	1	54	87.1	17.2	1	1500	SMC
SMCJ58AHE3	Unidirectional	64.40	71.20	1	58	93.6	16.0	1	1500	SMC
SMCJ60AHE3	Unidirectional	66.70	73.70	1	60	96.8	15.5	1	1500	SMC
SMCJ64AHE3	Unidirectional	71.10	78.60	1	64	103.0	14.6	1	1500	SMC
SMCJ70AHE3	Unidirectional	77.80	86.00	1	70	113.0	13.3	1	1500	SMC
SMCJ75AHE3	Unidirectional	83.30	92.10	1	75	121.0	12.4	1	1500	SMC
SMCJ78AHE3	Unidirectional	86.70	95.80	1	78	126.0	11.9	1	1500	SMC



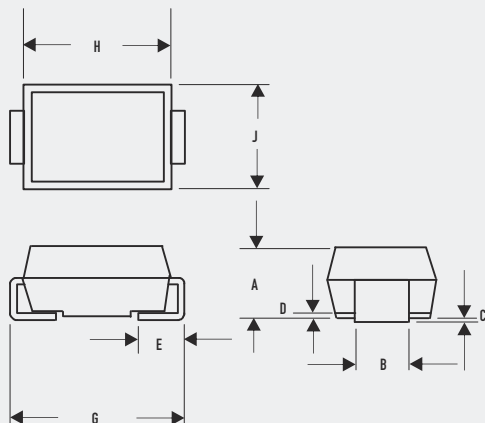
SMC

► SMC Series Automotive Grade TVS

Part Number	Configuration	Breakdown Voltage VBR @ I _r		Test Current I _r	Reverse Standoff Voltage V _{wm}	Maximum Clamping Voltage V _c @ I _{pp}	Peak Pulse Current I _{pp}	Maximum Reverse Leakage I _o @ V _{wm}	Peak Power Dissipation P _{PPM}	Package
		Min (V)	Max (V)	mA	V	V	A	uA	W	
SMLJ10CAHE3	Bidirectional	11.10	12.30	5	10	17.0	176.4	15	3000	SMC
SMLJ11CAHE3	Bidirectional	12.20	13.50	5	11	18.2	164.8	2	3000	SMC
SMLJ12CAHE3	Bidirectional	13.30	14.70	5	12	19.9	150.6	2	3000	SMC
SMLJ13CAHE3	Bidirectional	14.40	15.90	5	13	21.5	139.4	2	3000	SMC
SMLJ14CAHE3	Bidirectional	15.60	17.20	5	14	23.2	129.4	2	3000	SMC
SMLJ15CAHE3	Bidirectional	16.70	18.50	5	15	24.4	123.0	2	3000	SMC
SMLJ16CAHE3	Bidirectional	17.80	19.70	5	16	26.0	115.4	2	3000	SMC
SMLJ17CAHE3	Bidirectional	18.90	20.90	5	17	27.6	106.6	2	3000	SMC
SMLJ18CAHE3	Bidirectional	20.00	22.10	5	18	29.2	102.8	2	3000	SMC
SMLJ20CAHE3	Bidirectional	22.20	24.50	5	20	32.4	92.6	2	3000	SMC
SMLJ22CAHE3	Bidirectional	24.40	26.90	5	22	35.5	84.4	2	3000	SMC
SMLJ24CAHE3	Bidirectional	26.70	29.50	5	24	38.9	77.2	2	3000	SMC
SMLJ26CAHE3	Bidirectional	28.90	31.90	5	26	42.1	71.2	2	3000	SMC
SMLJ28CAHE3	Bidirectional	31.10	34.40	5	28	45.4	66.0	2	3000	SMC
SMLJ30CAHE3	Bidirectional	33.30	36.80	5	30	48.4	62.0	2	3000	SMC
SMLJ33CAHE3	Bidirectional	36.70	40.60	5	33	53.3	56.2	2	3000	SMC
SMLJ36CAHE3	Bidirectional	40.00	44.20	5	36	58.1	51.6	2	3000	SMC
SMLJ40CAHE3	Bidirectional	44.40	49.10	5	40	64.5	46.4	2	3000	SMC
SMLJ43CAHE3	Bidirectional	47.80	52.80	5	43	69.4	43.2	2	3000	SMC
SMLJ10AHE3	Unidirectional	11.10	12.30	5	10	17.0	176.4	15	3000	SMC
SMLJ11AHE3	Unidirectional	12.20	13.50	5	11	18.2	164.8	2	3000	SMC
SMLJ12AHE3	Unidirectional	13.30	14.70	5	12	19.9	150.6	2	3000	SMC
SMLJ13AHE3	Unidirectional	14.40	15.90	5	13	21.5	139.4	2	3000	SMC
SMLJ14AHE3	Unidirectional	15.60	17.20	5	14	23.2	129.4	2	3000	SMC
SMLJ15AHE3	Unidirectional	16.70	18.50	5	15	24.4	123.0	2	3000	SMC
SMLJ16AHE3	Unidirectional	17.80	19.70	5	16	26.0	115.4	2	3000	SMC
SMLJ17AHE3	Unidirectional	18.90	20.90	5	17	27.6	106.6	2	3000	SMC
SMLJ18AHE3	Unidirectional	20.00	22.10	5	18	29.2	102.8	2	3000	SMC
SMLJ20AHE3	Unidirectional	22.20	24.50	5	20	32.4	92.6	2	3000	SMC
SMLJ22AHE3	Unidirectional	24.40	26.90	5	22	35.5	84.4	2	3000	SMC
SMLJ24AHE3	Unidirectional	26.70	29.50	5	24	38.9	77.2	2	3000	SMC
SMLJ26AHE3	Unidirectional	28.90	31.90	5	26	42.1	71.2	2	3000	SMC
SMLJ28AHE3	Unidirectional	31.10	34.40	5	28	45.4	66.0	2	3000	SMC
SMLJ30AHE3	Unidirectional	33.30	36.80	5	30	48.4	62.0	2	3000	SMC
SMLJ33AHE3	Unidirectional	36.70	40.60	5	33	53.3	56.2	2	3000	SMC
SMLJ36AHE3	Unidirectional	40.00	44.20	5	36	58.1	51.6	2	3000	SMC
SMLJ40AHE3	Unidirectional	44.40	49.10	5	40	64.5	46.4	2	3000	SMC
SMLJ43AHE3	Unidirectional	47.80	52.80	5	43	69.4	43.2	2	3000	SMC



SMC



SMA

DIMENSIONS					
DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	0.075	0.096	1.900	2.440	
B	0.055	0.062	1.400	1.600	
C	0.002	0.008	0.051	0.203	
E	0.030	0.060	0.760	1.520	
G	0.188	0.208	4.800	5.280	
H	0.157	0.181	4.000	4.600	
J	0.098	0.114	2.500	2.900	

SMB

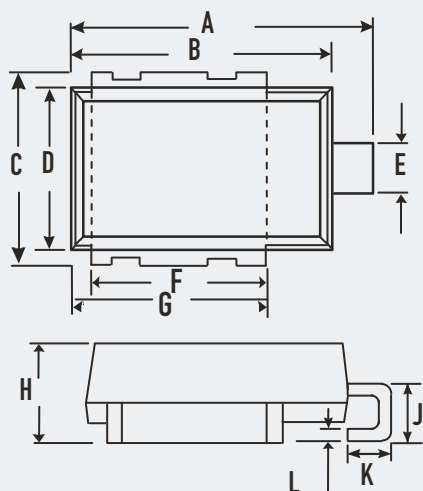
DIMENSIONS					
DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	0.083	0.096	2.130	2.440	
B	0.075	0.083	1.910	2.110	
C	0.002	0.008	0.051	0.203	
D	-----	0.020	-----	0.510	
E	0.030	0.060	0.760	1.520	
G	0.200	0.220	5.080	5.590	
H	0.160	0.185	4.060	4.700	
J	0.130	0.155	3.300	3.940	

SMC

DIMENSIONS					
DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	0.079	0.103	2.000	2.620	
B	0.108	0.128	2.750	3.250	
C	0.002	0.008	0.051	0.203	
D	-----	0.020	-----	0.510	
E	0.030	0.060	0.760	1.520	
G	0.305	0.320	7.750	8.130	
H	0.260	0.280	6.600	7.110	
J	0.220	0.245	5.590	6.220	



DO-218AB



DIMENSIONS					
DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	0.59	0.63	15	16	
B	0.524	0.539	13.3	13.7	
C	0.374	0.413	9.5	10.5	
D	0.323	0.339	8.2	8.6	
E	0.091	0.114	2.3	2.9	
F	0.343	0.366	8.7	9.3	
G	0.382	0.406	9.7	10.3	
H	0.189	0.205	4.8	5.2	
J	0.098	0.138	2.5	3.5	
K	0.067	0.106	1.7	2.7	
L	0.02	0.028	0.5	0.7	