

公司简介

伯恩半导体是一家集自主研发、销售、生产为一体的半导体企业，目前拥有的封装形式有DFN、QFN、SMA、SMB、SMC、DO-218AB、R6，主要涵盖的产品线有：ESD、TVS、TSS、二三极管、MOS、IC等半导体器件，公司目前总共拥有员工150余人。

随着电子产品的更新换代，IC的耐压能力越来越弱，传输速率也越来越快，ESD器件应用变得越来越广泛。从2002年开始，伯恩的研发团队就一直致力于半导体器件与IC的开发，10多年来陆续开发了各种接口的新型保护器件，使得公司产品一直处于前沿水平。公司产品已经广泛应用于通讯、安防、车载、工控、消费类等行业，产品性能稳定可靠，获得了客户和行业的一致认可。



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ESD DFN0603-2L(0201)

Part Number	V _{RWM} (V)	V _{BR} min(V)	I _{PP} Typ(A)	C _J Typ(PF)	I _R (μ A)	V _C (V)	P _{PP}	Package	Comment
BDFN1C2R51V25	2.5	3.7	18	30	0.2	8	160	DFN0603-2L	1.8V LDO,指纹模组
BDFN1C031V	3.3	3.4	9	12	0.2	8	70	DFN0603-2L	
BDFN1C051V	5	5.5	5	10	0.5	13	65	DFN0603-2L	
BDFN1C051VB	5	6.5	8	18	0.5	11	90	DFN0603-2L	
BDFN1C071V	7	7.2	8	15	0.5	12	100	DFN0603-2L	
BDFN1C121V	12	13.3	5	10	0.5	24	120	DFN0603-2L	Audio输出
BDFN1C051L	5	5.5	3	2.7	0.5	12	40	DFN0603-2L	USB2.0信号
BSDFN1C031U	3.3	12	7	0.65	0.5	6.2	50	DFN0603-2L	USB3.0信号, SCR工艺, 低残压
BDFN1C051R	5	5.5	3.5	0.35	0.1	16	60	DFN0603-2L	USB3.1、HDMI2.0、2.4G天线
BDFN1C051RF2	5	5.5	3	0.2	0.1	20	60	DFN0603-2L	5G天线

ESD DFN1006-2L(0402)

Part Number	V _{RWM} (V)	V _{BR} min(V)	I _{PP} Typ(A)	C _J Typ(PF)	I _R (μ A)	V _C (V)	P _{PP}	Package	Comment
BDFN2C2R51V	2.5	3.3	8	20	0.2	8	60	DFN1006-2L	1.8V LDO输出保护蓝牙耳机、手机常用
BDFN2C031V	3.3	3.8	10	12	0.2	8	80	DFN1006-2L	
BDFN2C4R51V50	4.5	4.7	45	70	0.5	11	500	DFN1006-2L	4.2V电池输出保护
BDFN2C051V	5	6	6	8	0.5	13	65	DFN1006-2L	
BDFN2C051VB	5	6.5	8	18	0.5	11	90	DFN1006-2L	
BDFN2C051V40	5	6	18	30	0.5	11.5	200	DFN1006-2L	
BDFN2C051V45	5	7.2	40	140	0.5	13	550	DFN1006-2L	
BDFN2C071V	7	7.2	8	15	0.5	12	100	DFN1006-2L	
BDFN2C071V45	7	7.2	50	140	0.5	15	550	DFN1006-2L	
BDFN2C081V35	8	9	15	45	0.5	23	350	DFN1006-2L	
BDFN2C121V	12	13.3	5	10	0.5	24	120	DFN1006-2L	
BDFN2C151V35	15	16.7	10	20	0.5	32	320	DFN1006-2L	
BDFN2C241V35	24	26.7	6	20	0.5	44	240	DFN1006-2L	
BDFN2C361V35	36	40	4	25	0.5	70	280	DFN1006-2L	
BDFN2C051L	5	5.5	3	2.7	0.5	12	40	DFN1006-2L	USB2.0 网口差模
BDFN2C051L2	5	6	14	1.5	0.5	17	230	DFN1006-2L	
BDFN2C051U2	5	7.5	7	0.7	0.1	16	100	DFN1006-2L	
BSDFN2C031U	3.3	12	7	0.65	0.5	7.5	50	DFN1006-2L	USB3.0信号, SCR工艺, 低残压
BSDFN2C181U	18	18	4	0.5	0.5	8	32	DFN1006-2L	
BDFN2C031RF	3.3	5	3.5	0.4	0.5	16	60	DFN1006-2L	
BDFN2C051RF	5	6	3.5	0.4	0.5	16	60	DFN1006-2L	USB3.1、HDMI2.0、2.4G天线
BDFN2C071RF	7	7.5	3.5	0.4	0.5	16	60	DFN1006-2L	
BDFN2C051RF2	5	6	3	0.2	0.5	20.5	60	DFN1006-2L	5G天线
BDFN2A071V45	7	7.2	40	280	0.5	15	600	DFN1006-2L	
B15AL	15	16.7	15	70	0.5	27	450	DFN1006-2L	
B15AF	15	16.7	30	70	0.5	40	1200	DFN1006-2L	
BDFN2A151V35	15	16.7	50	70	0.5	40	2000	DFN1006-2L	
BDFN2A241V35	24	26.7	5	30	0.5	44	225	DFN1006-2L	
BDFN2A361V35	36	40	4	25	0.5	70	280	DFN1006-2L	
BDFN2A051L	5	6	7	1.2	0.5	11	70	DFN1006-2L	
BDFN2A051U	5	6	3	0.6	0.5	13	45	DFN1006-2L	

ESD DFN1610-2L

Part Number	V _{RWM} (V)	V _{BR} min(V)	I _{PP} Typ(A)	C _J Typ(PF)	I _R (μ A)	V _C (V)	P _{PP}	Package	Comment
BN5C4R51V80	4.5	4.6	80	320	0.5	10	800	DFN1610-2L	4.2V电池输出保护
BN5C4R51V160	4.5	4.6	150	320	0.5	13	2000	DFN1610-2L	4.2V电池输出保护
BN5C071V80	7	7.5	75	280	0.5	18	1500	DFN1610-2L	5V Type-C充电浪涌保护
BN5C071V160	7	7.5	140	550	0.5	22	1500	DFN1610-2L	5V Type-C充电浪涌保护
BN5C051L2	5	6	14	1.5	0.5	16	230	DFN1610-2L	
BN5C051RF	5	6	3.5	0.4	0.5	16	60	DFN1610-2L	
BN5A071V80	7	7.5	75	550	0.5	19	1500	DFN1610-2L	带OVP的5V Type-C充电浪涌保护
BN5A071V160	7	7.5	140	1100	0.5	22	3000	DFN1610-2L	带OVP的5V Type-C充电浪涌保护
BN5A121V50	12	13.3	50	250	0.5	35	1650	DFN1610-2L	带OVP的12V Type-C快充浪涌保护
BN5A181V45	18	20	45	250	0.5	33	1620	DFN1610-2L	带OVP的12V Type-C快充浪涌保护
BN5A241V	24	26.7	20	120	0.5	40	800	DFN1610-2L	

ESD SOD523(0603)

Part Number	V _{RWM} (V)	V _{BR} min(V)	I _{PP} Typ(A)	C _J Typ(PF)	I _R Max(UA)	V _C (V)	P _{PP}	Package	Comment
BSD5C031V	3.3	4	10	13	0.5	10	100	SOD523	
BSD5C051V	5	6	5	8	0.2	15	75	SOD523	
BSD5C051VB	5	6	8	10	0.2	15	120	SOD523	
BSD5C051VM	5	6	18	35	1	22	400	SOD523	
BSD5C121V	12	13.3	5	10	0.5	24	120	SOD523	
BSD5C051L	5	5.5	3	2.7	0.1	13	40	SOD523	
BSD5C051U	5	6	3	0.5	0.5	20	60	SOD523	
BSD5A031V	3.3	4.5	15	80	0.5	18	250	SOD523	
BSD5A051V	5	6	15	80	0.5	18	250	SOD523	
BSD5A071V35	7	8	15	100	1	25	400	SOD523	
BSD5A121V35	12	13.3	10	55	1	35	350	SOD523	
BSD5A151V35	15	16.7	8	50	1	38	300	SOD523	
BSD5A181V35	18	19.8	8	45	1	27	200	SOD523	
BSD5A241V35	24	26.7	5	30	0.5	45	225	SOD523	
BSD5A361V35	36	40	4	25	0.5	70	300	SOD523	
BSD5A051U	5	6	3.5	0.9	0.5	13	45	SOD523	

ESD SOD Series

Part Number	V _{RWM} (V)	V _{BR} min(V)	I _{PP} Typ(A)	C _J Typ(PF)	I _R Max(UA)	V _C (V)	P _{PP}	Package	Comment
BSD3C031V	3	4	20	100	1	24	480	SOD323	
BSD3C031VB	3.3	4	45	80	0.5	12	550	SOD323	
BSD3C051LV	5	6	8	20	0.5	12	100	SOD323	
BSD3C051V	5	6	17	60	1	21	350	SOD323	
BSD3C051VB	5	7.2	50	140	0.5	11	550	SOD323	
BSD3C081V	8	9	15	45	1	27	400	SOD323	
BSD3C121V	12	13.3	10	30	1	26	260	SOD323	
BSD3C151V	15	16.7	10	20	0.5	32	320	SOD323	
BSD3C181V	18	19.8	5.5	12	0.5	40	220	SOD323	
BSD3C241V	24	26.7	6	15	0.5	50	300	SOD323	
BSD3C361V	36	40	4	13	0.5	75	300	SOD323	
BSD3C031L2	3.3	5	14	1.5	1	17	230	SOD323	网口差模
BSD3C031LT	3.3		20	2	0.2	22	450	SOD323	网口差模
BSD3C051U2	5	6	7	0.7	0.5	16	100	SOD323	网口差模
BSD3C051L2	5	6	14	1.4	1	17	230	SOD323	网口差模
BSD3C081L	8	9	15	1	1	27	350	SOD323	
BSD3C121L	12	13.3	10	1	1	35	350	SOD323	
BSD3C151L	15	16.7	6	1	1	40	240	SOD323	
BSD3C241L	24	26.7	4	1	1	60	240	SOD323	
BSD3A051V	5	6	20	120	1	19	360	SOD323	
BSD3A081V	8	9	15	90	1	25	350	SOD323	
BSD3A121V	12	13.3	8	60	1	30	240	SOD323	
BSD3A151V	15	16.7	10	45	0.5	35	350	SOD323	
BSD3A181V	18	19.8	5.5	25	0.5	40	220	SOD323	
BSD3A241V	24	26.7	6	30	1	40	240	SOD323	
BSD3A361V	36	40	4	25	1	60	240	SOD323	
BSDF3C4R51V80	4.5	4.6	80	320	0.5	10	800	SOD323F	电池端EOS防护
BSDF3A121V50	12	13.3	50	250	1	35	1650	SOD323F	type-c电源EOS防护
SMFJ3.3CA	3.3	3.5	40	70	1	10	400	SOD123	WIFI模块3.3V电源防护

ESD Array Series

Part Number	V _{RWM} (V)	V _{BR} min(V)	I _{PP} Typ(A)	C _J Typ(PF)	I _R Max(UA)	V _C (V)	P _{PP}	Package	Comment
B0524PA	5	5.5	4	0.8	0.5	11	40	DFN4120-10L	HDMI1.4信号防护
BDFN10A054U	5	5.5	3.5	0.7	0.5	12	40	DFN2510-10L	HDMI1.4信号防护
BDFN10A054R	5	5.5	3.5	0.3	0.5	13	45	DFN2510-10L	HDMI2.0信号防护, 超低容
BSDFN10A034U	3.3		4	0.9	0.5	6	24	DFN2510-10L	HDMI1.4信号防护, 低残压
BDFN1109A052R	5	6	3.5	0.28	0.5	20	70	DFN1109-10L	USB2.0防护
BDFN1710A054U	5	6	3.5	0.7	0.5	15	60	DFN1710-5L	
BDFN2010A054R	5	6	3.5	0.28	0.5	13	45	DFN2010-5L	Type-C信号防护
BDFN8C2R52L	3	3.5	10	1.2	0.5	14	130	DFN2010-8L	网口差模防护
BDFN3310A056R	5	6	3	0.4	0.5	13	45	DFN3310-6L	USB3.0信号防护
BDFN10A056U1	5	6	4	0.3	0.5	15	70	DFN4120-10L	USB3.0信号防护
BDFN3810A058R	5	6	3.5	0.28	0.5	13	45	DFN3810-9L	Type-c信号口防护
BLVU2.8-4	2.8	4	40	3	0.2	15	500	SOP8	网口差模防护
BLVU2.8-8	2.8	4	40	5	0.2	15	450	SOP8	网口差模防护
B0536M	5	6	4	0.7	0.2	16	40	SOP8	网口差模防护
B05T74U	5	6	3.5	0.6	0.5	15	60	SOT23-6	网口、双USB2.0信号防护
B05T84U	5	6	3.5	0.6	0.5	15	60	SOT23-6	双USB2.0信号电源防护, POS机
BRV05-4	5	6	3.5	0.36	0.5	13	45	SOT23-6	网口、双USB2.0信号防护
BST236A054U	5	6	3.5	0.36	0.5	13	45	SOT23-6	网口、双USB2.0防护, 网通产品
BST236A055R	5	6	3.5	0.35	0.5	15	60	SOT23-6	USB防护, 板卡产品
BST363A054U	5	6	3.5	0.35	0.5	13	40	SOT363	SIM卡信号防护, USB信号防护
BST563A055V	5	6	7.5	40	0.5	12	90	SOT563	SIM卡信号防护
BST143A053U	5	6	3.5	3.5	0.5	12	40	SOT143	USB2.0防护

ESD Array Series

Part Number	V _{RWM} (V)	V _{BR} min(V)	I _{PP} Typ(A)	C _J Typ(PF)	I _R Max(UA)	V _C (V)	P _{PP}	Package	Comment
BST523C052V	5	6	10	10	1	10	100	SOT-23	
BST523A052U	5	6	3.5	0.7	1	17	60	SOT-23	USB2.0信号防护
BST23C032V	3	4	24	100	0.5	18	400	SOT-23	
BST23C052V	5	6	22	65	0.5	20	350	SOT-23	
BST23C082V	8	9	15	40	0.5	18	350	SOT-23	
BST23C122V	12	13.3	12	30	0.5	35	350	SOT-23	
BST23C152V	15	16.7	11	20	0.5	43	400	SOT-23	
BST23C242V	24	26.7	6	12	0.5	48	280	SOT-23	CAN总线防护
BST23C242VB	24	26.7	9	20	0.5	45	400	SOT-23	CAN总线防护
BST23C362V	36	40	4	15	0.5	75	300	SOT-23	
BST23C712V	12/7	13.3/7.5	17	75	1/20	26/12	400	SOT-23	RS485信号静电防护
BST23A032V	3	4	24	200	0.5	16	350	SOT-23	
BST23A052V	5	6	20	120	1	16	300	SOT-23	
BST23A082V	8	9	15	70	0.5	25	350	SOT-23	
BST23A122V	12	13.3	12	60	1	30	300	SOT-23	
BST23A152V	15	16.7	10	50	0.5	35	350	SOT-23	
BST23A242V	24	26.7	6	30	0.5	44	300	SOT-23	
BST23A362V	36	40	4	25	0.5	75	300	SOT-23	
BST23A052U	5	6	3.5	0.7	1	17	60	SOT-23	USB2.0信号防护
BS05L	5	6	22	0.5	0.5	17	350	SOT-23	网口防护

TSS SMA(DO-214AC) 30A Series

Part Number	IH	ID	VD	VB	IB	VT	IT	VS	IS_LMT	VPP	IPP	IPK	CO	Package	
	mA	uA	V	V	mA	V	A	V	mA	V	A	A	pF		
	Min Max		Min Max		Max		100KV/S Max		10/700us		10/1000us		8/20us		1MHz Typ
BEP 0080TA-S	40	5	6	6	15	1	4	2.2	25	500	2000	30	100	35	SMA
BEP 0220TA-S	40	5	15	15	28	1	4	2.2	30	500	2000	30	100	35	SMA
BEP 0300TA-S	40	5	25	25	38	1	4	2.2	40	500	2000	30	100	33	SMA
BEP 0640TA-S	120	5	58	58	75	1	4	2.2	77	800	2000	30	100	32	SMA
BEP 0720TA-S	120	5	65	65	86	1	4	2.2	88	800	2000	30	100	32	SMA
BEP 0900TA-S	120	5	75	75	96	1	4	2.2	98	800	2000	30	100	32	SMA
BEP 1100TA-S	120	5	90	90	124	1	4	2.2	130	800	2000	30	100	30	SMA
BEP 1300TA-S	120	5	120	120	152	1	4	2.2	160	800	2000	30	100	30	SMA
BEP 1500TA-S	120	5	140	140	171	1	4	2.2	180	800	2000	30	100	28	SMA
BEP 1800TA-S	120	5	170	170	209	1	4	2.2	220	800	2000	30	100	27	SMA
BEP 2300TA-S	120	5	190	190	247	1	4	2.2	260	800	2000	30	100	25	SMA
BEP 2600TA-S	120	5	220	220	285	1	4	2.2	300	800	2000	30	100	23	SMA
BEP 3100TA-S	120	5	275	275	333	1	4	2.2	350	800	2000	30	100	22	SMA
BEP 3500TA-S	120	5	320	320	380	1	4	2.2	400	800	2000	30	100	20	SMA
BEP 4500TA-S	120	5	400	400	504	1	4	2.2	530	800	2000	30	100	15	SMA

TSS SMA(DO-214AC) 45A Series

Part Number	IH	ID	VD	VB	IB	VT	IT	VS	IS_LMT	VPP	IPP	IPK	CO	Package	
	mA	uA	V	V	mA	V	A	V	mA	V	A	A	pF		
	Min	Max		Min	Max	Max		100KV/S		10/700us	10/1000us	8/20us	1MHz		
								Max					Typ		
BEP 0080TA	40	5	6	6	15	1	4	2.2	25	500	3000	45	150	53	SMA
BEP 0220TA	40	5	15	15	28	1	4	2.2	30	500	3000	45	150	53	SMA
BEP 0300TA	40	5	25	25	38	1	4	2.2	40	500	3000	45	150	50	SMA
BEP 0640TA	120	5	58	58	75	1	4	2.2	77	800	3000	45	150	48	SMA
BEP 0720TA	120	5	65	65	86	1	4	2.2	88	800	3000	45	150	48	SMA
BEP 0900TA	120	5	75	75	96	1	4	2.2	98	800	3000	45	150	48	SMA
BEP 1100TA	120	5	90	90	124	1	4	2.2	130	800	3000	45	150	45	SMA
BEP 1300TA	120	5	120	120	152	1	4	2.2	160	800	3000	45	150	45	SMA
BEP 1500TA	120	5	140	140	171	1	4	2.2	180	800	3000	45	150	43	SMA
BEP 1800TA	120	5	170	170	209	1	4	2.2	220	800	3000	45	150	40	SMA
BEP 2300TA	120	5	190	190	247	1	4	2.2	260	800	3000	45	150	38	SMA
BEP 2600TA	120	5	220	220	285	1	4	2.2	300	800	3000	45	150	35	SMA
BEP 3100TA	120	5	275	275	333	1	4	2.2	350	800	3000	45	150	33	SMA
BEP 3500TA	120	5	320	320	380	1	4	2.2	400	800	3000	45	150	30	SMA
BEP 4500TA	120	5	400	400	504	1	4	2.2	530	800	3000	45	150	23	SMA

TSS SMA(DO-214AC) 80A Series

Part Number	IH mA	ID uA	VD V	VB V	IB mA	VT V	IT A	VS V	IS mA	LMT	VPP V	IPP A	IPK A	CO pF	Package
	Min	Max		Min	Max	Max		100KV/S Max			10/700us	10/1000us	8/20us	1MHz Typ	
BEP 0080TB	40	5	6	6	15	1	4	2.2	25	500	4000	80	250	84	SMA
BEP 0220TB	40	5	15	15	28	1	4	2.2	30	500	4000	80	250	84	SMA
BEP 0300TB	40	5	25	25	38	1	4	2.2	40	500	4000	80	250	80	SMA
BEP 0640TB	120	5	58	58	75	1	4	2.2	77	800	4000	80	250	76	SMA
BEP 0720TB	120	5	65	65	86	1	4	2.2	88	800	4000	80	250	76	SMA
BEP 0900TB	120	5	75	75	96	1	4	2.2	98	800	4000	80	250	76	SMA
BEP 1100TB	120	5	90	90	124	1	4	2.2	130	800	4000	80	250	72	SMA
BEP 1300TB	120	5	120	120	152	1	4	2.2	160	800	4000	80	250	72	SMA
BEP 1500TB	120	5	140	140	171	1	4	2.2	180	800	4000	80	250	68	SMA
BEP 1800TB	120	5	170	170	209	1	4	2.2	220	800	4000	80	250	64	SMA
BEP 2300TB	120	5	190	190	247	1	4	2.2	260	800	4000	80	250	60	SMA
BEP 2600TB	120	5	220	220	285	1	4	2.2	300	800	4000	80	250	56	SMA
BEP 3100TB	120	5	275	275	333	1	4	2.2	350	800	4000	80	250	52	SMA
BEP 3500TB	120	5	320	320	380	1	4	2.2	400	800	4000	80	250	48	SMA
BEP 4500TB	120	5	400	400	504	1	4	2.2	530	800	4000	80	250	36	SMA

TSS SMB(DO-214AA) 45A Series

Part Number	IH	ID	VD	VB	IB	VT	IT	VS	IS	LMT	VPP	IPP	IPK	CO	Package
	mA	uA	V	V	mA	V	A	V	mA		V	A	A	pF	
	Min	Max		Min	Max	Max		100KV/S			10/700us	10/1000us	8/20us	1MHz	
								Max						Typ	
BEP 0080SA	40	5	6	6	15	1	4	2.2	25	500	3000	45	150	53	SMB
BEP 0220SA	40	5	15	15	28	1	4	2.2	30	500	3000	45	150	53	SMB
BEP 0300SA	40	5	25	25	38	1	4	2.2	40	500	3000	45	150	50	SMB
BEP 0640SA	120	5	58	58	75	1	4	2.2	77	800	3000	45	150	48	SMB
BEP 0720SA	120	5	65	65	86	1	4	2.2	88	800	3000	45	150	48	SMB
BEP 0900SA	120	5	75	75	96	1	4	2.2	98	800	3000	45	150	48	SMB
BEP 1100SA	120	5	90	90	124	1	4	2.2	130	800	3000	45	150	45	SMB
BEP 1300SA	120	5	120	120	152	1	4	2.2	160	800	3000	45	150	45	SMB
BEP 1500SA	120	5	140	140	171	1	4	2.2	180	800	3000	45	150	43	SMB
BEP 1800SA	120	5	170	170	209	1	4	2.2	220	800	3000	45	150	40	SMB
BEP 2300SA	120	5	190	190	247	1	4	2.2	260	800	3000	45	150	38	SMB
BEP 2600SA	120	5	220	220	285	1	4	2.2	300	800	3000	45	150	35	SMB
BEP 3100SA	120	5	275	275	333	1	4	2.2	350	800	3000	45	150	33	SMB
BEP 3500SA	120	5	320	320	380	1	4	2.2	400	800	3000	45	150	30	SMB
BEP 4500SA	120	5	400	400	504	1	4	2.2	530	800	3000	45	150	23	SMB

TSS SMB(DO-214AA) 80A Series

Part Number	IH	ID	VD	VB	IB	VT	IT	VS	IS	LMT	VPP	IPP	IPK	CO	Package
	mA	uA	V	V	mA	V	A	V	mA		V	A	A	pF	
	Min	Max		Min	Max	Max		100KV/S			10/700us	10/1000us	8/20us	1MHz	
								Max						Typ	
BEP 0080SB	40	5	6	6	15	1	4	2.2	25	500	4000	80	250	84	SMB
BEP 0220SB	40	5	15	15	28	1	4	2.2	30	500	4000	80	250	84	SMB
BEP 0300SB	40	5	25	25	38	1	4	2.2	40	500	4000	80	250	80	SMB
BEP 0640SB	120	5	58	58	75	1	4	2.2	77	800	4000	80	250	76	SMB
BEP 0720SB	120	5	65	65	86	1	4	2.2	88	800	4000	80	250	76	SMB
BEP 0900SB	120	5	75	75	96	1	4	2.2	98	800	4000	80	250	76	SMB
BEP 1100SB	120	5	90	90	124	1	4	2.2	130	800	4000	80	250	72	SMB
BEP 1300SB	120	5	120	120	152	1	4	2.2	160	800	4000	80	250	72	SMB
BEP 1500SB	120	5	140	140	171	1	4	2.2	180	800	4000	80	250	68	SMB
BEP 1800SB	120	5	170	170	209	1	4	2.2	220	800	4000	80	250	64	SMB
BEP 2300SB	120	5	190	190	247	1	4	2.2	260	800	4000	80	250	60	SMB
BEP 2600SB	120	5	220	220	285	1	4	2.2	300	800	4000	80	250	56	SMB
BEP 3100SB	120	5	275	275	333	1	4	2.2	350	800	4000	80	250	52	SMB
BEP 3500SB	120	5	320	320	380	1	4	2.2	400	800	4000	80	250	48	SMB
BEP 4500SB	120	5	400	400	504	1	4	2.2	530	800	4000	80	250	36	SMB

TSS SMB(DO-214AA) 100A Series

Part Number	IH	ID	VD	VB	IB	VT	IT	VS	IS_LMT	VPP	IPP	IPK	CO	Package	
	mA	uA	V	V	mA	V	A	V	mA	V	A	A	pF		
	100KV/S							10/700us			10/1000us	8/20us	1MHz		
	Min	Max		Min	Max		Max	Max					Typ		
BEP 0080SC	40	5	6	6	15	1	4	2.2	25	500	6000	100	400	105	SMB
BEP 0220SC	40	5	15	15	28	1	4	2.2	30	500	6000	100	400	105	SMB
BEP 0300SC	40	5	25	25	38	1	4	2.2	40	500	6000	100	400	100	SMB
BEP 0640SC	120	5	58	58	75	1	4	2.2	77	800	6000	100	400	95	SMB
BEP 0720SC	120	5	65	65	86	1	4	2.2	88	800	6000	100	400	95	SMB
BEP 0900SC	120	5	75	75	96	1	4	2.2	98	800	6000	100	400	95	SMB
BEP 1100SC	120	5	90	90	124	1	4	2.2	130	800	6000	100	400	90	SMB
BEP 1300SC	120	5	120	120	152	1	4	2.2	160	800	6000	100	400	90	SMB
BEP 1500SC	120	5	140	140	171	1	4	2.2	180	800	6000	100	400	85	SMB
BEP 1800SC	120	5	170	170	209	1	4	2.2	220	800	6000	100	400	80	SMB
BEP 2300SC	120	5	190	190	247	1	4	2.2	260	800	6000	100	400	75	SMB
BEP 2600SC	120	5	220	220	285	1	4	2.2	300	800	6000	100	400	70	SMB
BEP 3100SC	120	5	275	275	333	1	4	2.2	350	800	6000	100	400	65	SMB
BEP 3500SC	120	5	320	320	380	1	4	2.2	400	800	6000	100	400	60	SMB
BEP 4500SC	120	5	400	400	504	1	4	2.2	530	800	6000	100	400	45	SMB

TSS DO-15 45A Series

Part Number	IH	ID	VD	VB	IB	VT	IT	VS	IS_LMT	VPP	IPP	IPK	CO	Package	
	mA	uA	V	V	mA	V	A	V	mA	V	A	A	pF		
	Min	Max		Min	Max		Max	100KV/S		10/700us	10/1000us	8/20us	1MHz		
								Max					Typ		
P0080LA	40	5	6	6	15	1	4	2.2	25	500	3000	45	150	53	DO-15
P0220LA	40	5	15	15	28	1	4	2.2	30	500	3000	45	150	53	DO-15
P0300LA	40	5	25	25	38	1	4	2.2	40	500	3000	45	150	50	DO-15
P0640LA	120	5	58	58	75	1	4	2.2	77	800	3000	45	150	48	DO-15
P0720LA	120	5	65	65	86	1	4	2.2	88	800	3000	45	150	48	DO-15
P0900LA	120	5	75	75	96	1	4	2.2	98	800	3000	45	150	48	DO-15
P1100LA	120	5	90	90	124	1	4	2.2	130	800	3000	45	150	45	DO-15
P1300LA	120	5	120	120	152	1	4	2.2	160	800	3000	45	150	45	DO-15
P1500LA	120	5	140	140	171	1	4	2.2	180	800	3000	45	150	43	DO-15
P1800LA	120	5	170	170	209	1	4	2.2	220	800	3000	45	150	40	DO-15
P2300LA	120	5	190	190	247	1	4	2.2	260	800	3000	45	150	38	DO-15
P2600LA	120	5	220	220	285	1	4	2.2	300	800	3000	45	150	35	DO-15
P3100LA	120	5	275	275	333	1	4	2.2	350	800	3000	45	150	33	DO-15
P3500LA	120	5	320	320	380	1	4	2.2	400	800	3000	45	150	30	DO-15
P4500LA	120	5	400	400	504	1	4	2.2	530	800	3000	45	150	23	DO-15

TSS DO-15 80A Series

Part Number	IH	ID	VD	VB	IB	VT	IT	VS	IS_LMT	VPP	IPP	IPK	CO	Package	
	mA	uA	V	V	mA	V	A	V	mA	V	A	A	pF		
					100KV/S				10/700us		10/1000us	8/20us	1MHz		
	Min	Max		Min	Max		Max	Max					Typ		
P0080LB	40	5	6	6	15	1	4	2.2	25	500	4000	80	250	84	DO-15
P0220LB	40	5	15	15	28	1	4	2.2	30	500	4000	80	250	84	DO-15
P0300LB	40	5	25	25	38	1	4	2.2	40	500	4000	80	250	80	DO-15
P0640LB	120	5	58	58	75	1	4	2.2	77	800	4000	80	250	76	DO-15
P0720LB	120	5	65	65	86	1	4	2.2	88	800	4000	80	250	76	DO-15
P0900LB	120	5	75	75	96	1	4	2.2	98	800	4000	80	250	76	DO-15
P1100LB	120	5	90	90	124	1	4	2.2	130	800	4000	80	250	72	DO-15
P1300LB	120	5	120	120	152	1	4	2.2	160	800	4000	80	250	72	DO-15
P1500LB	120	5	140	140	171	1	4	2.2	180	800	4000	80	250	68	DO-15
P1800LB	120	5	170	170	209	1	4	2.2	220	800	4000	80	250	64	DO-15
P2300LB	120	5	190	190	247	1	4	2.2	260	800	4000	80	250	60	DO-15
P2600LB	120	5	220	220	285	1	4	2.2	300	800	4000	80	250	56	DO-15
P3100LB	120	5	275	275	333	1	4	2.2	350	800	4000	80	250	52	DO-15
P3500LB	120	5	320	320	380	1	4	2.2	400	800	4000	80	250	48	DO-15
P4500LB	120	5	400	400	504	1	4	2.2	530	800	4000	80	250	36	DO-15

TSS DO-27 100A Series

Part Number	IH	ID	VD	VB	IB	VT	IT	VS	IS_LMT	VPP	IPP	IPK	CO	Package	
	mA	uA	V	V	mA	V	A	V	mA	V	A	A	pF		
	Min	Max		Min	Max		Max	Max		10/700us	10/1000us	8/20us	1MHz Typ		
P0080LC	40	5	6	6	15	1	4	2.2	25	500	6000	100	400	105	DO-27
P0220LC	40	5	15	15	28	1	4	2.2	30	500	6000	100	400	105	DO-27
P0300LC	40	5	25	25	38	1	4	2.2	40	500	6000	100	400	100	DO-27
P0640LC	120	5	58	58	75	1	4	2.2	77	800	6000	100	400	95	DO-27
P0720LC	120	5	65	65	86	1	4	2.2	88	800	6000	100	400	95	DO-27
P0900LC	120	5	75	75	96	1	4	2.2	98	800	6000	100	400	95	DO-27
P1100LC	120	5	90	90	124	1	4	2.2	130	800	6000	100	400	90	DO-27
P1300LC	120	5	120	120	152	1	4	2.2	160	800	6000	100	400	90	DO-27
P1500LC	120	5	140	140	171	1	4	2.2	180	800	6000	100	400	85	DO-27
P1800LC	120	5	170	170	209	1	4	2.2	220	800	6000	100	400	80	DO-27
P2300LC	120	5	190	190	247	1	4	2.2	260	800	6000	100	400	75	DO-27
P2600LC	120	5	220	220	285	1	4	2.2	300	800	6000	100	400	70	DO-27
P3100LC	120	5	275	275	333	1	4	2.2	350	800	6000	100	400	65	DO-27
P3500LC	120	5	320	320	380	1	4	2.2	400	800	6000	100	400	60	DO-27
P4500LC	120	5	400	400	504	1	4	2.2	530	800	6000	100	400	45	DO-27

TVS SOD-123F 200W SMFJ Series

Part Number		PPPM W 10/1000us	IR uA Max	VR V Max	VBR V Min	IT mA Max	VC V 10/1000us Max	IPP A 10/1000us	Package
Uni	Bi								
SMFJ5.0A	SMFJ5.0CA	200	400	5	6.4	7	10	9.2	SOD-123F
SMFJ6.0A	SMFJ6.0CA	200	400	6	6.67	7.37	10	10.3	SOD-123F
SMFJ6.5A	SMFJ6.5CA	200	250	6.5	7.22	7.98	10	11.2	SOD-123F
SMFJ7.0A	SMFJ7.0CA	200	100	7	7.78	8.6	10	12	SOD-123F
SMFJ7.5A	SMFJ7.5CA	200	50	7.5	8.33	9.21	1	12.9	SOD-123F
SMFJ8.0A	SMFJ8.0CA	200	25	8	8.89	9.83	1	13.6	SOD-123F
SMFJ8.5A	SMFJ8.5CA	200	10	8.5	9.44	10.4	1	14.4	SOD-123F
SMFJ9.0A	SMFJ9.0CA	200	5	9	10	11.1	1	15.4	SOD-123F
SMFJ10A	SMFJ10CA	200	2.5	10	11.1	12.3	1	17	SOD-123F
SMFJ11A	SMFJ11CA	200	2.5	11	12.2	13.5	1	18.2	SOD-123F
SMFJ12A	SMFJ12CA	200	2.5	12	13.3	14.7	1	19.9	SOD-123F
SMFJ13A	SMFJ13CA	200	1	13	14.4	15.9	1	21.5	SOD-123F
SMFJ14A	SMFJ14CA	200	1	14	15.6	17.2	1	23.2	SOD-123F
SMFJ15A	SMFJ15CA	200	1	15	16.7	18.5	1	24.4	SOD-123F
SMFJ16A	SMFJ16CA	200	1	16	17.8	19.7	1	26	SOD-123F
SMFJ17A	SMFJ17CA	200	1	17	18.9	20.9	1	27.6	SOD-123F
SMFJ18A	SMFJ18CA	200	1	18	20	22.1	1	29.2	SOD-123F
SMFJ20A	SMFJ20CA	200	1	20	22.2	24.5	1	32.4	SOD-123F
SMFJ22A	SMFJ22CA	200	1	22	24.4	26.9	1	35.5	SOD-123F
SMFJ24A	SMFJ24CA	200	1	24	26.7	29.5	1	38.9	SOD-123F
SMFJ26A	SMFJ26CA	200	1	26	28.9	31.9	1	42.1	SOD-123F
SMFJ28A	SMFJ28CA	200	1	28	31.1	34.4	1	45.4	SOD-123F
SMFJ30A	SMFJ30CA	200	1	30	33.3	36.8	1	48.4	SOD-123F
SMFJ33A	SMFJ33CA	200	1	33	36.7	40.6	1	53.3	SOD-123F
SMFJ36A	SMFJ36CA	200	1	36	40	44.2	1	58.1	SOD-123F

TVS SOD-123F 200W SMFJ Series

Part Number		PPPM W 10/1000us	IR uA Max	VR V Max	VBR V Min	VBR V Max	IT mA	VC V 10/1000us Max	IPP A 10/1000us	Package
Uni	Bi									
SMFJ40A	SMFJ40CA	200	1	40	44.4	49.1	1	64.5	3.1	SOD-123F
SMFJ43A	SMFJ43CA	200	1	43	47.8	52.8	1	69.4	2.9	SOD-123F
SMFJ45A	SMFJ45CA	200	1	45	50	55.3	1	72.7	2.8	SOD-123F
SMFJ48A	SMFJ48CA	200	1	48	53.3	58.9	1	77.4	2.6	SOD-123F
SMFJ51A	SMFJ51CA	200	1	51	56.7	62.7	1	82.4	2.4	SOD-123F
SMFJ54A	SMFJ54CA	200	1	54	60	66.3	1	87.1	2.3	SOD-123F
SMFJ58A	SMFJ58CA	200	1	58	64.4	71.2	1	93.6	2.1	SOD-123F
SMFJ60A	SMFJ60CA	200	1	60	66.7	73.7	1	96.8	1.8	SOD-123F
SMFJ64A	SMFJ64CA	200	1	64	71.1	78.6	1	103	1.7	SOD-123F
SMFJ70A	SMFJ70CA	200	1	70	77.8	86	1	113	1.5	SOD-123F
SMFJ75A	SMFJ75CA	200	1	75	83.3	92.1	1	121	1.4	SOD-123F
SMFJ78A	SMFJ78CA	200	1	78	86.7	95.8	1	126	1.4	SOD-123F
SMFJ85A	SMFJ85CA	200	1	85	94.4	104	1	137	1.3	SOD-123F
SMFJ90A	SMFJ90CA	200	1	90	100	111	1	146	1.2	SOD-123F
SMFJ100A	SMFJ100CA	200	1	100	111	123	1	162	1.1	SOD-123F
SMFJ110A	SMFJ110CA	200	1	110	122	135	1	177	1	SOD-123F
SMFJ120A	SMFJ120CA	200	1	120	133	147	1	193	0.9	SOD-123F
SMFJ130A	SMFJ130CA	200	1	130	144	159	1	209	0.8	SOD-123F
SMFJ150A	SMFJ150CA	200	1	150	167	185	1	243	0.7	SOD-123F
SMFJ160A	SMFJ160CA	200	1	160	178	197	1	259	0.7	SOD-123F
SMFJ170A	SMFJ170CA	200	1	170	189	209	1	275	0.6	SOD-123F

TVS SMA 400W SMAJ Series

Part Number		PPPM W 10/1000us	IR uA Max	VR V Max	VBR V Min	VBR V Max	IT mA	VC V 10/1000us Max	IPP A 10/1000us	Package
Uni	Bi									
SMAJ3.3A	SMAJ3.3CA	400	200	3.3	4	5.8	10	8	50	SMA
SMAJ5.0A	SMAJ5.0CA	400	800	5	6.4	7	10	9.2	43.5	SMA
SMAJ6.0A	SMAJ6.0CA	400	800	6	6.67	7.37	10	10.3	38.8	SMA
SMAJ6.5A	SMAJ6.5CA	400	500	6.5	7.22	7.98	10	11.2	35.7	SMA
SMAJ7.0A	SMAJ7.0CA	400	200	7	7.78	8.6	10	12	33.3	SMA
SMAJ7.5A	SMAJ7.5CA	400	100	7.5	8.33	9.21	1	12.9	31	SMA
SMAJ8.0A	SMAJ8.0CA	400	50	8	8.89	9.83	1	13.6	29.4	SMA
SMAJ8.5A	SMAJ8.5CA	400	20	8.5	9.44	10.4	1	14.4	27.8	SMA
SMAJ9.0A	SMAJ9.0CA	400	10	9	10	11.1	1	15.4	26	SMA
SMAJ10A	SMAJ10CA	400	5	10	11.1	12.3	1	17	23.5	SMA
SMAJ11A	SMAJ11CA	400	1	11	12.2	13.5	1	18.2	22	SMA
SMAJ12A	SMAJ12CA	400	1	12	13.3	14.7	1	19.9	20.1	SMA
SMAJ13A	SMAJ13CA	400	1	13	14.4	15.9	1	21.5	18.6	SMA
SMAJ14A	SMAJ14CA	400	1	14	15.6	17.2	1	23.2	17.2	SMA
SMAJ15A	SMAJ15CA	400	1	15	16.7	18.5	1	24.4	16.4	SMA
SMAJ16A	SMAJ16CA	400	1	16	17.8	19.7	1	26	15.4	SMA
SMAJ17A	SMAJ17CA	400	1	17	18.9	20.9	1	27.6	14.5	SMA
SMAJ18A	SMAJ18CA	400	1	18	20	22.1	1	29.2	13.7	SMA
SMAJ20A	SMAJ20CA	400	1	20	22.2	24.5	1	32.4	12.3	SMA
SMAJ22A	SMAJ22CA	400	1	22	24.4	26.9	1	35.5	11.3	SMA
SMAJ26A	SMAJ26CA	400	1	26	28.9	31.9	1	42.1	9.5	SMA
SMAJ28A	SMAJ28CA	400	1	28	31.1	34.4	1	45.4	8.8	SMA
SMAJ30A	SMAJ30CA	400	1	30	33.3	36.8	1	48.4	8.3	SMA
SMAJ33A	SMAJ33CA	400	1	33	36.7	40.6	1	53.3	7.5	SMA
SMAJ36A	SMAJ36CA	400	1	36	40	44.2	1	58.1	6.9	SMA
SMAJ40A	SMAJ40CA	400	1	40	44.4	49.1	1	64.5	6.2	SMA

TVS SMA 400W SMAJ Series

Part Number		PPPM W 10/1000us	IR uA Max	VR V Max	VBR V Min	IT mA Max	VC V 10/1000us Max	IPP A 10/1000us	Package	
Uni	Bi									
SMAJ43A	SMAJ43CA	400	1	43	47.8	52.8	1	69.4	5.8	SMA
SMAJ45A	SMAJ45CA	400	1	45	50	55.3	1	72.7	5.5	SMA
SMAJ48A	SMAJ48CA	400	1	48	53.3	58.9	1	77.4	5.2	SMA
SMAJ51A	SMAJ51CA	400	1	51	56.7	62.7	1	82.4	4.9	SMA
SMAJ54A	SMAJ54CA	400	1	54	60	66.3	1	87.1	4.6	SMA
SMAJ58A	SMAJ58CA	400	1	58	64.4	71.2	1	93.6	4.3	SMA
SMAJ60A	SMAJ60CA	400	1	60	66.7	73.7	1	96.8	4.1	SMA
SMAJ64A	SMAJ64CA	400	1	64	71.1	78.6	1	103	3.9	SMA
SMAJ70A	SMAJ70CA	400	1	70	77.8	86	1	113	3.5	SMA
SMAJ75A	SMAJ75CA	400	1	75	83.3	92.1	1	121	3.3	SMA
SMAJ78A	SMAJ78CA	400	1	78	86.7	95.8	1	126	3.2	SMA
SMAJ85A	SMAJ85CA	400	1	85	94.4	104	1	137	2.9	SMA
SMAJ90A	SMAJ90CA	400	1	90	100	111	1	146	2.7	SMA
SMAJ100A	SMAJ100CA	400	1	100	111	123	1	162	2.5	SMA
SMAJ110A	SMAJ110CA	400	1	110	122	135	1	177	2.3	SMA
SMAJ120A	SMAJ120CA	400	1	120	133	147	1	193	2.1	SMA
SMAJ130A	SMAJ130CA	400	1	130	144	159	1	209	1.9	SMA
SMAJ150A	SMAJ150CA	400	1	150	167	185	1	243	1.6	SMA
SMAJ160A	SMAJ160CA	400	1	160	178	197	1	259	1.5	SMA
SMAJ170A	SMAJ170CA	400	1	170	189	209	1	275	1.5	SMA
SMAJ180A	SMAJ180CA	400	1	180	201	222	1	292	1.4	SMA
SMAJ200A	SMAJ200CA	400	1	200	224	247	1	324	1.2	SMA
SMAJ220A	SMAJ220CA	400	1	220	246	272	1	356	1.1	SMA
SMAJ250A	SMAJ250CA	400	1	250	279	309	1	405	1	SMA
SMAJ300A	SMAJ300CA	400	1	300	335	371	1	486	0.8	SMA
SMAJ350A	SMAJ350CA	400	1	350	391	432	1	567	0.7	SMA
SMAJ400A	SMAJ400CA	400	1	400	447	494	1	648	0.6	SMA
SMAJ440A	SMAJ440CA	400	1	440	492	543	1	713	0.6	SMA

TVS SMAF 400W SMAF Series

Part Number		PPPM W 10/1000us	IR uA Max	VR V Max	VBR V Min	IT mA Max	VC V 10/1000us Max	IPP A 10/1000us	Package
Uni	Bi								
SMAF5.0A	SMAF5.0CA	400	800	5	6.4	7	10	9.2	SMAF
SMAF6.0A	SMAF6.0CA	400	800	6	6.67	7.37	10	10.3	SMAF
SMAF6.5A	SMAF6.5CA	400	500	6.5	7.22	7.98	10	11.2	SMAF
SMAF7.0A	SMAF7.0CA	400	200	7	7.78	8.6	10	12	SMAF
SMAF7.5A	SMAF7.5CA	400	100	7.5	8.33	9.21	1	12.9	SMAF
SMAF8.0A	SMAF8.0CA	400	50	8	8.89	9.83	1	13.6	SMAF
SMAF8.5A	SMAF8.5CA	400	20	8.5	9.44	10.4	1	14.4	SMAF
SMAF9.0A	SMAF9.0CA	400	10	9	10	11.1	1	15.4	SMAF
SMAF10A	SMAF10CA	400	5	10	11.1	12.3	1	17	SMAF
SMAF11A	SMAF11CA	400	1	11	12.2	13.5	1	18.2	SMAF
SMAF12A	SMAF12CA	400	1	12	13.3	14.7	1	19.9	SMAF
SMAF13A	SMAF13CA	400	1	13	14.4	15.9	1	21.5	SMAF
SMAF14A	SMAF14CA	400	1	14	15.6	17.2	1	23.2	SMAF
SMAF15A	SMAF15CA	400	1	15	16.7	18.5	1	24.4	SMAF
SMAF16A	SMAF16CA	400	1	16	17.8	19.7	1	26	SMAF
SMAF17A	SMAF17CA	400	1	17	18.9	20.9	1	27.6	SMAF
SMAF18A	SMAF18CA	400	1	18	20	22.1	1	29.2	SMAF
SMAF20A	SMAF20CA	400	1	20	22.2	24.5	1	32.4	SMAF
SMAF22A	SMAF22CA	400	1	22	24.4	26.9	1	35.5	SMAF
SMAF24A	SMAF24CA	400	1	24	26.7	29.5	1	38.9	SMAF
SMAF26A	SMAF26CA	400	1	26	28.9	31.9	1	42.1	SMAF
SMAF28A	SMAF28CA	400	1	28	31.1	34.4	1	45.4	SMAF
SMAF30A	SMAF30CA	400	1	30	33.3	36.8	1	48.4	SMAF
SMAF33A	SMAF33CA	400	1	33	36.7	40.6	1	53.3	SMAF
SMAF36A	SMAF36CA	400	1	36	40	44.2	1	58.1	SMAF

TVS SMAF 400W SMAF Series

Part Number		PPPM W 10/1000us	IR uA Max	VR V Max	VBR V Min	VBR V Max	IT mA	VC V 10/1000us Max	IPP A 10/1000us	Package
Uni	Bi									
SMAF40A	SMAF40CA	400	1	40	44.4	49.1	1	64.5	6.2	SMAF
SMAF43A	SMAF43CA	400	1	43	47.8	52.8	1	69.4	5.8	SMAF
SMAF45A	SMAF45CA	400	1	45	50	55.3	1	72.7	5.5	SMAF
SMAF48A	SMAF48CA	400	1	48	53.3	58.9	1	77.4	5.2	SMAF
SMAF51A	SMAF51CA	400	1	51	56.7	62.7	1	82.4	4.9	SMAF
SMAF54A	SMAF54CA	400	1	54	60	66.3	1	87.1	4.6	SMAF
SMAF58A	SMAF58CA	400	1	58	64.4	71.2	1	93.6	4.3	SMAF
SMAF60A	SMAF60CA	400	1	60	66.7	73.7	1	96.8	4.1	SMAF
SMAF64A	SMAF64CA	400	1	64	71.1	78.6	1	103	3.9	SMAF
SMAF70A	SMAF70CA	400	1	70	77.8	86	1	113	3.5	SMAF
SMAF75A	SMAF75CA	400	1	75	83.3	92.1	1	121	3.3	SMAF
SMAF78A	SMAF78CA	400	1	78	86.7	95.8	1	126	3.2	SMAF
SMAF85A	SMAF85CA	400	1	85	94.4	104	1	137	2.9	SMAF
SMAF90A	SMAF90CA	400	1	90	100	111	1	146	2.7	SMAF
SMAF100A	SMAF100CA	400	1	100	111	123	1	162	2.5	SMAF
SMAF110A	SMAF110CA	400	1	110	122	135	1	177	2.3	SMAF
SMAF120A	SMAF120CA	400	1	120	133	147	1	193	2.1	SMAF
SMAF130A	SMAF130CA	400	1	130	144	159	1	209	1.9	SMAF
SMAF150A	SMAF150CA	400	1	150	167	185	1	243	1.6	SMAF
SMAF160A	SMAF160CA	400	1	160	178	197	1	259	1.5	SMAF
SMAF170A	SMAF170CA	400	1	170	189	209	1	275	1.5	SMAF

TVS SMB 600W SMBJ Series

Part Number		PPPM W 10/1000us	IR uA Max	VR V Max	VBR V Min Max		IT mA	VC V 10/1000us Max	IPP A 10/1000us	Package
Uni	Bi									
SMBJ3.3A	SMBJ3.3CA	600	200	3.3	4	5.8	10	7.3	50	SMB
SMBJ5.0A	SMBJ5.0CA	600	800	5	6.4	7	10	9.2	65.3	SMB
SMBJ6.0A	SMBJ6.0CA	600	800	6	6.67	7.37	10	10.3	58.3	SMB
SMBJ6.5A	SMBJ6.5CA	600	500	6.5	7.22	7.98	10	11.2	53.6	SMB
SMBJ7.0A	SMBJ7.0CA	600	200	7	7.78	8.6	10	12	50	SMB
SMBJ7.5A	SMBJ7.5CA	600	100	7.5	8.33	9.21	1	12.9	46.6	SMB
SMBJ8.0A	SMBJ8.0CA	600	50	8	8.89	9.83	1	13.6	44.2	SMB
SMBJ8.5A	SMBJ8.5CA	600	20	8.5	9.44	10.4	1	14.4	41.7	SMB
SMBJ9.0A	SMBJ9.0CA	600	10	9	10	11.1	1	15.4	39	SMB
SMBJ10A	SMBJ10CA	600	5	10	11.1	12.3	1	17	35.3	SMB
SMBJ11A	SMBJ11CA	600	1	11	12.2	13.5	1	18.2	33	SMB
SMBJ12A	SMBJ12CA	600	1	12	13.3	14.7	1	19.9	30.2	SMB
SMBJ13A	SMBJ13CA	600	1	13	14.4	15.9	1	21.5	28	SMB
SMBJ14A	SMBJ14CA	600	1	14	15.6	17.2	1	23.2	25.9	SMB
SMBJ15A	SMBJ15CA	600	1	15	16.7	18.5	1	24.4	24.6	SMB
SMBJ16A	SMBJ16CA	600	1	16	17.8	19.7	1	26	23.1	SMB
SMBJ17A	SMBJ17CA	600	1	17	18.9	20.9	1	27.6	21.8	SMB
SMBJ18A	SMBJ18CA	600	1	18	20	22.1	1	29.2	20.6	SMB
SMBJ20A	SMBJ20CA	600	1	20	22.2	24.5	1	32.4	18.6	SMB
SMBJ22A	SMBJ22CA	600	1	22	24.4	26.9	1	35.5	16.9	SMB
SMBJ24A	SMBJ24CA	600	1	24	26.7	29.5	1	38.9	15.5	SMB
SMBJ26A	SMBJ26CA	600	1	26	28.9	31.9	1	42.1	14.3	SMB
SMBJ28A	SMBJ28CA	600	1	28	31.1	34.4	1	45.4	13.3	SMB
SMBJ30A	SMBJ30CA	600	1	30	33.3	36.8	1	48.4	12.4	SMB
SMBJ33A	SMBJ33CA	600	1	33	36.7	40.6	1	53.3	11.3	SMB
SMBJ36A	SMBJ36CA	600	1	36	40	44.2	1	58.1	10.4	SMB
SMBJ40A	SMBJ40CA	600	1	40	44.4	49.1	1	64.5	9.3	SMB
SMBJ43A	SMBJ43CA	600	1	43	47.8	52.8	1	69.4	8.7	SMB
SMBJ45A	SMBJ45CA	600	1	45	50	55.3	1	72.7	8.3	SMB

TVS SMB 600W SMBJ Series

Part Number		PPPM W 10/1000us	IR uA Max	VR V Max	VBR V Min Max		IT mA	VC V 10/1000us Max	IPP A 10/1000us	Package
Uni	Bi									
SMBJ48A	SMBJ48CA	600	1	48	53.3	58.9	1	77.4	7.8	SMB
SMBJ51A	SMBJ51CA	600	1	51	56.7	62.7	1	82.4	7.3	SMB
SMBJ54A	SMBJ54CA	600	1	54	60	66.3	1	87.1	6.9	SMB
SMBJ58A	SMBJ58CA	600	1	58	64.4	71.2	1	93.6	6.5	SMB
SMBJ60A	SMBJ60CA	600	1	60	66.7	73.7	1	96.8	6.2	SMB
SMBJ64A	SMBJ64CA	600	1	64	71.1	78.6	1	103	5.9	SMB
SMBJ70A	SMBJ70CA	600	1	70	77.8	86	1	113	5.3	SMB
SMBJ75A	SMBJ75CA	600	1	75	83.3	92.1	1	121	5	SMB
SMBJ78A	SMBJ78CA	600	1	78	86.7	95.8	1	126	4.8	SMB
SMBJ85A	SMBJ85CA	600	1	85	94.4	104	1	137	4.4	SMB
SMBJ90A	SMBJ90CA	600	1	90	100	111	1	146	4.1	SMB
SMBJ100A	SMBJ100CA	600	1	100	111	123	1	162	3.7	SMB
SMBJ110A	SMBJ110CA	600	1	110	122	135	1	177	3.4	SMB
SMBJ120A	SMBJ120CA	600	1	120	133	147	1	193	3.1	SMB
SMBJ130A	SMBJ130CA	600	1	130	144	159	1	209	2.9	SMB
SMBJ150A	SMBJ150CA	600	1	150	167	185	1	243	2.5	SMB
SMBJ160A	SMBJ160CA	600	1	160	178	197	1	259	2.3	SMB
SMBJ170A	SMBJ170CA	600	1	170	189	209	1	275	2.2	SMB
SMBJ180A	SMBJ180CA	600	1	180	201	222	1	292	2.1	SMB
SMBJ200A	SMBJ200CA	600	1	200	224	247	1	324	1.9	SMB
SMBJ220A	SMBJ220CA	600	1	220	246	272	1	356	1.7	SMB
SMBJ250A	SMBJ250CA	600	1	250	279	309	1	405	1.5	SMB
SMBJ300A	SMBJ300CA	600	1	300	335	371	1	486	1.3	SMB
SMBJ350A	SMBJ350CA	600	1	350	391	432	1	567	1.1	SMB
SMBJ400A	SMBJ400CA	600	1	400	447	494	1	648	0.9	SMB
SMBJ440A	SMBJ440CA	600	1	440	492	543	1	713	0.9	SMB
SMBJ550A	/	600	1	550	611	676	1	891	0.7	SMB
SMBJ700A	/	600	1	700	778	860	1	1134	0.5	SMB

TVS SMB 1000W 1.0SMBJ Series

Part Number		PPPM W 10/1000us	IR uA Max	VR V Max	VBR V Min	IT mA Max	VC V 10/1000us Max	IPP A 10/1000us	Package	
Uni	Bi									
1.0SMBJ5.0A	1.0SMBJ5.0CA	1000	800	5	6.4	7	10	9.2	108.8	SMB
1.0SMBJ6.0A	1.0SMBJ6.0CA	1000	800	6	6.67	7.37	10	10.3	97.2	SMB
1.0SMBJ6.5A	1.0SMBJ6.5CA	1000	500	6.5	7.22	7.98	10	11.2	89.3	SMB
1.0SMBJ7.0A	1.0SMBJ7.0CA	1000	200	7	7.78	8.6	10	12	83.3	SMB
1.0SMBJ7.5A	1.0SMBJ7.5CA	1000	100	7.5	8.33	9.21	1	12.9	77.7	SMB
1.0SMBJ8.0A	1.0SMBJ8.0CA	1000	50	8	8.89	9.83	1	13.6	73.7	SMB
1.0SMBJ8.5A	1.0SMBJ8.5CA	1000	20	8.5	9.44	10.4	1	14.4	69.5	SMB
1.0SMBJ9.0A	1.0SMBJ9.0CA	1000	10	9	10	11.1	1	15.4	65	SMB
1.0SMBJ10A	1.0SMBJ10CA	1000	5	10	11.1	12.3	1	17	58.8	SMB
1.0SMBJ11A	1.0SMBJ11CA	1000	1	11	12.2	13.5	1	18.2	55	SMB
1.0SMBJ12A	1.0SMBJ12CA	1000	1	12	13.3	14.7	1	19.9	50.3	SMB
1.0SMBJ13A	1.0SMBJ13CA	1000	1	13	14.4	15.9	1	21.5	46.7	SMB
1.0SMBJ14A	1.0SMBJ14CA	1000	1	14	15.6	17.2	1	23.2	43.2	SMB
1.0SMBJ15A	1.0SMBJ15CA	1000	1	15	16.7	18.5	1	24.4	41	SMB
1.0SMBJ16A	1.0SMBJ16CA	1000	1	16	17.8	19.7	1	26	38.5	SMB
1.0SMBJ17A	1.0SMBJ17CA	1000	1	17	18.9	20.9	1	27.6	36.3	SMB
1.0SMBJ18A	1.0SMBJ18CA	1000	1	18	20	22.1	1	29.2	34.3	SMB
1.0SMBJ20A	1.0SMBJ20CA	1000	1	20	22.2	24.5	1	32.4	31	SMB
1.0SMBJ22A	1.0SMBJ22CA	1000	1	22	24.4	26.9	1	35.5	16.9	SMB
1.0SMBJ24A	1.0SMBJ24CA	1000	1	24	26.7	29.5	1	38.9	15.5	SMB
1.0SMBJ26A	1.0SMBJ26CA	1000	1	26	28.9	31.9	1	42.1	14.3	SMB
1.0SMBJ28A	1.0SMBJ28CA	1000	1	28	31.1	34.4	1	45.4	13.3	SMB
1.0SMBJ30A	1.0SMBJ30CA	1000	1	30	33.3	36.8	1	48.4	12.4	SMB
1.0SMBJ33A	1.0SMBJ33CA	1000	1	33	36.7	40.6	1	53.3	11.3	SMB
1.0SMBJ36A	1.0SMBJ36CA	1000	1	36	40	44.2	1	58.1	10.4	SMB
1.0SMBJ40A	1.0SMBJ40CA	1000	1	40	44.4	49.1	1	64.5	9.3	SMB
1.0SMBJ43A	1.0SMBJ43CA	1000	1	43	47.8	52.8	1	69.4	8.7	SMB
1.0SMBJ45A	1.0SMBJ45CA	1000	1	45	50	55.3	1	72.7	8.3	SMB

TVS SMB 1000W 1.0SMBJ Series

Part Number		PPPM W 10/1000us	IR uA Max	VR V Max	VBR V Min	IT mA Max	VC V 10/1000us Max	IPP A 10/1000us	Package	
Uni	Bi									
1.0SMBJ48A	1.0SMBJ48CA	1000	1	48	53.3	58.9	1	77.4	7.8	SMB
1.0SMBJ51A	1.0SMBJ51CA	1000	1	51	56.7	62.7	1	82.4	7.3	SMB
1.0SMBJ54A	1.0SMBJ54CA	1000	1	54	60	66.3	1	87.1	6.9	SMB
1.0SMBJ58A	1.0SMBJ58CA	1000	1	58	64.4	71.2	1	93.6	6.5	SMB
1.0SMBJ60A	1.0SMBJ60CA	1000	1	60	66.7	73.7	1	96.8	6.2	SMB
1.0SMBJ64A	1.0SMBJ64CA	1000	1	64	71.1	78.6	1	103	5.9	SMB
1.0SMBJ70A	1.0SMBJ70CA	1000	1	70	77.8	86	1	113	5.3	SMB
1.0SMBJ75A	1.0SMBJ75CA	1000	1	75	83.3	92.1	1	121	5	SMB
1.0SMBJ78A	1.0SMBJ78CA	1000	1	78	86.7	95.8	1	126	4.8	SMB
1.0SMBJ85A	1.0SMBJ85CA	1000	1	85	94.4	104	1	137	4.4	SMB
1.0SMBJ90A	1.0SMBJ90CA	1000	1	90	100	111	1	146	4.1	SMB
1.0SMBJ100A	1.0SMBJ100CA	1000	1	100	111	123	1	162	3.7	SMB
1.0SMBJ110A	1.0SMBJ110CA	1000	1	110	122	135	1	177	3.4	SMB
1.0SMBJ120A	1.0SMBJ120CA	1000	1	120	133	147	1	193	3.1	SMB
1.0SMBJ130A	1.0SMBJ130CA	1000	1	130	144	159	1	209	2.9	SMB
1.0SMBJ150A	1.0SMBJ150CA	1000	1	150	167	185	1	243	2.5	SMB
1.0SMBJ160A	1.0SMBJ160CA	1000	1	160	178	197	1	259	2.3	SMB
1.0SMBJ170A	1.0SMBJ170CA	1000	1	170	189	209	1	275	2.2	SMB
1.0SMBJ180A	1.0SMBJ180CA	1000	1	180	201	222	1	292	2.1	SMB
1.0SMBJ200A	1.0SMBJ200CA	1000	1	200	224	247	1	324	1.9	SMB
1.0SMBJ220A	1.0SMBJ220CA	1000	1	220	246	272	1	356	1.7	SMB
1.0SMBJ250A	1.0SMBJ250CA	1000	1	250	279	309	1	405	1.5	SMB
1.0SMBJ300A	1.0SMBJ300CA	1000	1	300	335	371	1	486	1.3	SMB
1.0SMBJ350A	1.0SMBJ350CA	1000	1	350	391	432	1	567	1.1	SMB
1.0SMBJ400A	1.0SMBJ400CA	1000	1	400	447	494	1	648	0.9	SMB
1.0SMBJ440A	1.0SMBJ440CA	1000	1	440	492	543	1	713	0.9	SMB
1.0SMBJ700A	/	1000	1	700	778	860	1	1134	1	SMB

TVS SMB 1500W 1.5SMBJ Series

Part Number		PPPM W 10/1000us	IR uA Max	VR V Max	VBR V Min	IT mA Max	VC V 10/1000us Max	IPP A 10/1000us	Package	
Uni	Bi									
1.5SMBJ5.0A	1.5SMBJ5.0CA	1500	200	5	6.4	7	10	9.2	163	SMB
1.5SMBJ6.0A	1.5SMBJ6.0CA	1500	200	6	6.67	7.37	10	10.3	145.6	SMB
1.5SMBJ6.5A	1.5SMBJ6.5CA	1500	100	6.5	7.22	7.98	10	11.2	134	SMB
1.5SMBJ7.0A	1.5SMBJ7.0CA	1500	80	7	7.78	8.6	10	12	125	SMB
1.5SMBJ7.5A	1.5SMBJ7.5CA	1500	50	7.5	8.33	9.21	1	12.9	116.3	SMB
1.5SMBJ8.0A	1.5SMBJ8.0CA	1500	20	8	8.89	9.83	1	13.6	110.3	SMB
1.5SMBJ8.5A	1.5SMBJ8.5CA	1500	10	8.5	9.44	10.4	1	14.4	104.2	SMB
1.5SMBJ9.0A	1.5SMBJ9.0CA	1500	5	9	10	11.1	1	15.4	97.4	SMB
1.5SMBJ10A	1.5SMBJ10CA	1500	2	10	11.1	12.3	1	17	88.2	SMB
1.5SMBJ11A	1.5SMBJ11CA	1500	1	11	12.2	13.5	1	18.2	82.4	SMB
1.5SMBJ12A	1.5SMBJ12CA	1500	1	12	13.3	14.7	1	19.9	75.4	SMB
1.5SMBJ13A	1.5SMBJ13CA	1500	1	13	14.4	15.9	1	21.5	69.8	SMB
1.5SMBJ14A	1.5SMBJ14CA	1500	1	14	15.6	17.2	1	23.2	64.7	SMB
1.5SMBJ15A	1.5SMBJ15CA	1500	1	15	16.7	18.5	1	24.4	61.5	SMB
1.5SMBJ16A	1.5SMBJ16CA	1500	1	16	17.8	19.7	1	26	57.7	SMB
1.5SMBJ17A	1.5SMBJ17CA	1500	1	17	18.9	20.9	1	27.6	54.4	SMB
1.5SMBJ18A	1.5SMBJ18CA	1500	1	18	20	22.1	1	29.2	51.4	SMB
1.5SMBJ20A	1.5SMBJ20CA	1500	1	20	22.2	24.5	1	32.4	46.3	SMB
1.5SMBJ22A	1.5SMBJ22CA	1500	1	22	24.4	26.9	1	35.5	42.3	SMB
1.5SMBJ24A	1.5SMBJ24CA	1500	1	24	26.7	29.5	1	38.9	38.6	SMB
1.5SMBJ26A	1.5SMBJ26CA	1500	1	26	28.9	31.9	1	42.1	35.6	SMB
1.5SMBJ28A	1.5SMBJ28CA	1500	1	28	31.1	34.4	1	45.4	33.1	SMB
1.5SMBJ30A	1.5SMBJ30CA	1500	1	30	33.3	36.8	1	48.4	31	SMB
1.5SMBJ33A	1.5SMBJ33CA	1500	1	33	36.7	40.6	1	53.3	28.2	SMB
1.5SMBJ36A	1.5SMBJ36CA	1500	1	36	40	44.2	1	58.1	25.8	SMB

TVS SMB 1500W 1.5SMBJ Series

Part Number		PPPM W 10/1000us	IR uA Max	VR V Max	VBR V Min	IT mA Max	VC V 10/1000us Max	IPP A 10/1000us	Package	
Uni	Bi									
1.5SMBJ40A	1.5SMBJ40CA	1500	1	40	44.4	49.1	1	64.5	23.3	SMB
1.5SMBJ43A	1.5SMBJ43CA	1500	1	43	47.8	52.8	1	69.4	21.6	SMB
1.5SMBJ45A	1.5SMBJ45CA	1500	1	45	50	55.3	1	72.7	20.6	SMB
1.5SMBJ48A	1.5SMBJ48CA	1500	1	48	53.3	58.9	1	77.4	19.4	SMB
1.5SMBJ51A	1.5SMBJ51CA	1500	1	51	56.7	62.7	1	82.4	18.2	SMB
1.5SMBJ54A	1.5SMBJ54CA	1500	1	54	60	66.3	1	87.1	17.2	SMB
1.5SMBJ58A	1.5SMBJ58CA	1500	1	58	64.4	71.2	1	93.6	16.1	SMB
1.5SMBJ60A	1.5SMBJ60CA	1500	1	60	66.7	73.7	1	96.8	15.5	SMB
1.5SMBJ64A	1.5SMBJ64CA	1500	1	64	71.1	78.6	1	103	14.6	SMB
1.5SMBJ70A	1.5SMBJ70CA	1500	1	70	77.8	86	1	113	13.3	SMB
1.5SMBJ75A	1.5SMBJ75CA	1500	1	75	83.3	92.1	1	121	12.4	SMB
1.5SMBJ78A	1.5SMBJ78CA	1500	1	78	86.7	95.8	1	126	11.9	SMB
1.5SMBJ85A	1.5SMBJ85CA	1500	1	85	94.4	104	1	137	11	SMB
1.5SMBJ90A	1.5SMBJ90CA	1500	1	90	100	111	1	146	10.3	SMB
1.5SMBJ100A	1.5SMBJ100CA	1500	1	100	111	123	1	162	9.3	SMB
1.5SMBJ110A	1.5SMBJ110CA	1500	1	110	122	135	1	177	8.5	SMB
1.5SMBJ120A	1.5SMBJ120CA	1500	1	120	133	147	1	193	7.8	SMB
1.5SMBJ130A	1.5SMBJ130CA	1500	1	130	144	159	1	209	7.2	SMB
1.5SMBJ150A	1.5SMBJ150CA	1500	1	150	167	185	1	243	6.2	SMB
1.5SMBJ160A	1.5SMBJ160CA	1500	1	160	178	197	1	259	5.8	SMB
1.5SMBJ170A	1.5SMBJ170CA	1500	1	170	189	209	1	275	5.5	SMB
1.5SMBJ180A	1.5SMBJ180CA	1500	1	180	201	222	1	292	5.2	SMB
1.5SMBJ190A	1.5SMBJ190CA	1500	1	190	211	234	1	307	4.9	SMB
1.5SMBJ200A	1.5SMBJ200CA	1500	1	200	224	247	1	324	4.7	SMB

TVS SMC 1500W SMCJ Series

Part Number		PPPM W 10/1000us	IR uA Max	VR V Max	VBR V Min	IT mA Max	VC V 10/1000us Max	IPP A 10/1000us	Package	
Uni	Bi									
SMCJ5.0A	SMCJ5.0CA	1500	800	5	6.4	7	10	9.2	163	SMC
SMCJ6.0A	SMCJ6.0CA	1500	800	6	6.67	7.37	10	10.3	145.7	SMC
SMCJ6.5A	SMCJ6.5CA	1500	500	6.5	7.22	7.98	10	11.2	134	SMC
SMCJ7.0A	SMCJ7.0CA	1500	200	7	7.78	8.6	10	12	125	SMC
SMCJ7.5A	SMCJ7.5CA	1500	100	7.5	8.33	9.21	1	12.9	116.3	SMC
SMCJ8.0A	SMCJ8.0CA	1500	50	8	8.89	9.83	1	13.6	110.3	SMC
SMCJ8.5A	SMCJ8.5CA	1500	20	8.5	9.44	10.4	1	14.4	104.2	SMC
SMCJ9.0A	SMCJ9.0CA	1500	10	9	10	11.1	1	15.4	97.4	SMC
SMCJ10A	SMCJ10CA	1500	5	10	11.1	12.3	1	17	88.3	SMC
SMCJ11A	SMCJ11CA	1500	1	11	12.2	13.5	1	18.2	82.5	SMC
SMCJ12A	SMCJ12CA	1500	1	12	13.3	14.7	1	19.9	75.4	SMC
SMCJ13A	SMCJ13CA	1500	1	13	14.4	15.9	1	21.5	69.8	SMC
SMCJ14A	SMCJ14CA	1500	1	14	15.6	17.2	1	23.2	64.7	SMC
SMCJ15A	SMCJ15CA	1500	1	15	16.7	18.5	1	24.4	61.5	SMC
SMCJ16A	SMCJ16CA	1500	1	16	17.8	19.7	1	26	57.7	SMC
SMCJ17A	SMCJ17CA	1500	1	17	18.9	20.9	1	27.6	54.4	SMC
SMCJ18A	SMCJ18CA	1500	1	18	20	22.1	1	29.2	51.4	SMC
SMCJ20A	SMCJ20CA	1500	1	20	22.2	24.5	1	32.4	46.3	SMC
SMCJ22A	SMCJ22CA	1500	1	22	24.4	26.9	1	35.5	42.3	SMC
SMCJ24A	SMCJ24CA	1500	1	24	26.7	29.5	1	38.9	38.6	SMC
SMCJ26A	SMCJ26CA	1500	1	26	28.9	31.9	1	42.1	35.7	SMC
SMCJ28A	SMCJ28CA	1500	1	28	31.1	34.4	1	45.4	33.1	SMC
SMCJ30A	SMCJ30CA	1500	1	30	33.3	36.8	1	48.4	31	SMC
SMCJ33A	SMCJ33CA	1500	1	33	36.7	40.6	1	53.3	28.2	SMC
SMCJ36A	SMCJ36CA	1500	1	36	40	44.2	1	58.1	25.9	SMC
SMCJ40A	SMCJ40CA	1500	1	40	44.4	49.1	1	64.5	23.3	SMC
SMCJ43A	SMCJ43CA	1500	1	43	47.8	52.8	1	69.4	21.7	SMC

TVS SMC 1500W SMCJ Series

Part Number		PPPM W 10/1000us	IR uA Max	VR V Max	VBR V Min	VBR V Max	IT mA Max	VC V 10/1000us Max	IPP A 10/1000us	Package
Uni	Bi									
SMCJ45A	SMCJ45CA	1500	1	45	50	55.3	1	72.7	20.6	SMC
SMCJ48A	SMCJ48CA	1500	1	48	53.3	58.9	1	77.4	19.4	SMC
SMCJ51A	SMCJ51CA	1500	1	51	56.7	62.7	1	82.4	18.2	SMC
SMCJ54A	SMCJ54CA	1500	1	54	60	66.3	1	87.1	17.3	SMC
SMCJ58A	SMCJ58CA	1500	1	58	64.4	71.2	1	93.6	16.1	SMC
SMCJ60A	SMCJ60CA	1500	1	60	66.7	73.7	1	96.8	15.5	SMC
SMCJ64A	SMCJ64CA	1500	1	64	71.1	78.6	1	103	14.6	SMC
SMCJ70A	SMCJ70CA	1500	1	70	77.8	86	1	113	13.3	SMC
SMCJ75A	SMCJ75CA	1500	1	75	83.3	92.1	1	121	12.4	SMC
SMCJ78A	SMCJ78CA	1500	1	78	86.7	95.8	1	126	11.9	SMC
SMCJ85A	SMCJ85CA	1500	1	85	94.4	104	1	137	11	SMC
SMCJ90A	SMCJ90CA	1500	1	90	100	111	1	146	10.3	SMC
SMCJ100A	SMCJ100CA	1500	1	100	111	123	1	162	9.3	SMC
SMCJ110A	SMCJ110CA	1500	1	110	122	135	1	177	8.5	SMC
SMCJ120A	SMCJ120CA	1500	1	120	133	147	1	193	7.8	SMC
SMCJ130A	SMCJ130CA	1500	1	130	144	159	1	209	7.2	SMC
SMCJ150A	SMCJ150CA	1500	1	150	167	185	1	243	6.2	SMC
SMCJ160A	SMCJ160CA	1500	1	160	178	197	1	259	5.8	SMC
SMCJ170A	SMCJ170CA	1500	1	170	189	209	1	275	5.5	SMC
SMCJ180A	SMCJ180CA	1500	1	180	201	222	1	292	5.1	SMC
SMCJ200A	SMCJ200CA	1500	1	200	224	247	1	324	4.6	SMC
SMCJ220A	SMCJ220CA	1500	1	220	246	272	1	356	4.2	SMC
SMCJ250A	SMCJ250CA	1500	1	250	279	309	1	405	3.7	SMC
SMCJ300A	SMCJ300CA	1500	1	300	335	371	1	486	3.1	SMC
SMCJ350A	SMCJ350CA	1500	1	350	391	432	1	567	2.6	SMC
SMCJ400A	SMCJ400CA	1500	1	400	447	494	1	648	2.3	SMC
SMCJ440A	SMCJ440CA	1500	1	440	492	543	1	713	2.1	SMC

TVS SMC 3000W SMDJ Series

Part Number		PPPM W 10/1000us	IR uA Max	VR V Max	VBR V Min	IT mA Max	VC V 10/1000us Max	IPP A 10/1000us	Package	
Uni	Bi									
SMDJ5.0A	SMDJ5.0CA	3000	800	5	6.4	7	10	9.2	326.1	SMC
SMDJ6.0A	SMDJ6.0CA	3000	800	6	6.67	7.37	10	10.3	291.3	SMC
SMDJ6.5A	SMDJ6.5CA	3000	500	6.5	7.22	7.98	10	11.2	267.9	SMC
SMDJ7.0A	SMDJ7.0CA	3000	200	7	7.78	8.6	10	12	250	SMC
SMDJ7.5A	SMDJ7.5CA	3000	100	7.5	8.33	9.21	1	12.9	232.6	SMC
SMDJ8.0A	SMDJ8.0CA	3000	50	8	8.89	9.83	1	13.6	220.6	SMC
SMDJ8.5A	SMDJ8.5CA	3000	20	8.5	9.44	10.4	1	14.4	208.3	SMC
SMDJ9.0A	SMDJ9.0CA	3000	10	9	10	11.1	1	15.4	194.8	SMC
SMDJ10A	SMDJ10CA	3000	5	10	11.1	12.3	1	17	176.5	SMC
SMDJ11A	SMDJ11CA	3000	2	11	12.2	13.5	1	18.2	164.8	SMC
SMDJ12A	SMDJ12CA	3000	2	12	13.3	14.7	1	19.9	150.8	SMC
SMDJ13A	SMDJ13CA	3000	2	13	14.4	15.9	1	21.5	139.5	SMC
SMDJ14A	SMDJ14CA	3000	2	14	15.6	17.2	1	23.2	129.3	SMC
SMDJ15A	SMDJ15CA	3000	2	15	16.7	18.5	1	24.4	123	SMC
SMDJ16A	SMDJ16CA	3000	2	16	17.8	19.7	1	26	115.4	SMC
SMDJ17A	SMDJ17CA	3000	2	17	18.9	20.9	1	27.6	108.7	SMC
SMDJ18A	SMDJ18CA	3000	2	18	20	22.1	1	29.2	102.7	SMC
SMDJ20A	SMDJ20CA	3000	2	20	22.2	24.5	1	32.4	92.6	SMC
SMDJ22A	SMDJ22CA	3000	2	22	24.4	26.9	1	35.5	84.5	SMC
SMDJ24A	SMDJ24CA	3000	2	24	26.7	29.5	1	38.9	77.1	SMC
SMDJ26A	SMDJ26CA	3000	2	26	28.9	31.9	1	42.1	71.3	SMC
SMDJ28A	SMDJ28CA	3000	2	28	31.1	34.4	1	45.4	66.1	SMC
SMDJ30A	SMDJ30CA	3000	2	30	33.3	36.8	1	48.4	62	SMC
SMDJ33A	SMDJ33CA	3000	2	33	36.7	40.6	1	53.3	56.3	SMC

TVS SMC 3000W SMDJ Series

Part Number		PPPM W 10/1000us	IR uA Max	VR V Max	VBR V Min	IT mA Max	VC V 10/1000us Max	IPP A 10/1000us	Package
Uni	Bi								
SMDJ36A	SMDJ36CA	3000	2	36	40	44.2	1	58.1	SMC
SMDJ40A	SMDJ40CA	3000	2	40	44.4	49.1	1	64.5	SMC
SMDJ43A	SMDJ43CA	3000	2	43	47.8	52.8	1	69.4	SMC
SMDJ45A	SMDJ45CA	3000	2	45	50	55.3	1	72.7	SMC
SMDJ48A	SMDJ48CA	3000	2	48	53.3	58.9	1	77.4	SMC
SMDJ51A	SMDJ51CA	3000	2	51	56.7	62.7	1	82.4	SMC
SMDJ54A	SMDJ54CA	3000	2	54	60	66.3	1	87.1	SMC
SMDJ58A	SMDJ58CA	3000	2	58	64.4	71.2	1	93.6	SMC
SMDJ60A	SMDJ60CA	3000	2	60	66.7	73.7	1	96.8	SMC
SMDJ64A	SMDJ64CA	3000	2	64	71.1	78.6	1	103	SMC
SMDJ70A	SMDJ70CA	3000	2	70	77.8	86	1	113	SMC
SMDJ75A	SMDJ75CA	3000	2	75	83.3	92.1	1	121	SMC
SMDJ78A	SMDJ78CA	3000	2	78	86.7	95.8	1	126	SMC
SMDJ85A	SMDJ85CA	3000	2	85	94.4	104	1	137	SMC
SMDJ90A	SMDJ90CA	3000	2	90	100	111	1	146	SMC
SMDJ100A	SMDJ100CA	3000	2	100	111	123	1	162	SMC
SMDJ110A	SMDJ110CA	3000	2	110	122	135	1	177	SMC
SMDJ120A	SMDJ120CA	3000	2	120	133	147	1	193	SMC
SMDJ130A	SMDJ130CA	3000	2	130	144	159	1	209	SMC
SMDJ150A	SMDJ150CA	3000	2	150	167	185	1	243	SMC
SMDJ160A	SMDJ160CA	3000	2	160	178	197	1	259	SMC
SMDJ170A	SMDJ170CA	3000	2	170	189	209	1	275	SMC
SMDJ180A	SMDJ180CA	3000	2	180	198	230.4	1	292	SMC
SMDJ220A	SMDJ220CA	3000	2	220	242	281.6	1	356	SMC

TVS SMC 5000W 5.0SMDJ Series

Part Number		PPPM W 10/1000us	IR uA Max	VR V Max	VBR V Min	IT mA Max	VC V 10/1000us Max	IPP A 10/1000us	Package	
Uni	Bi									
5.0SMDJ10A	5.0SMDJ10CA	5000	800	10	12.8	14	10	18.4	272	SMC
5.0SMDJ12A	5.0SMDJ12CA	5000	800	12	13.3	14.7	10	19.9	252	SMC
5.0SMDJ13A	5.0SMDJ13CA	5000	500	13	14.4	15.9	10	21.5	233	SMC
5.0SMDJ14A	5.0SMDJ14CA	5000	200	14	15.6	17.2	10	23.2	216	SMC
5.0SMDJ15A	5.0SMDJ15CA	5000	100	15	16.7	18.5	1	24.4	205	SMC
5.0SMDJ16A	5.0SMDJ16CA	5000	50	16	17.8	19.7	1	26	193	SMC
5.0SMDJ17A	5.0SMDJ17CA	5000	20	17	18.9	20.9	1	27.6	181	SMC
5.0SMDJ18A	5.0SMDJ18CA	5000	10	18	20	22.1	1	29.2	172	SMC
5.0SMDJ20A	5.0SMDJ20CA	5000	5	20	22.2	24.5	1	32.4	155	SMC
5.0SMDJ22A	5.0SMDJ22CA	5000	5	22	24.4	26.9	1	35.5	141	SMC
5.0SMDJ24A	5.0SMDJ24CA	5000	5	24	26.7	29.5	1	38.9	129	SMC
5.0SMDJ26A	5.0SMDJ26CA	5000	5	26	28.9	31.9	1	42.1	119	SMC
5.0SMDJ28A	5.0SMDJ28CA	5000	5	28	31.1	34.4	1	45.4	110	SMC
5.0SMDJ30A	5.0SMDJ30CA	5000	5	30	33.3	36.8	1	48.4	103	SMC
5.0SMDJ33A	5.0SMDJ33CA	5000	5	33	36.7	40.6	1	53.3	93.9	SMC
5.0SMDJ36A	5.0SMDJ36CA	5000	5	36	40	44.2	1	58.1	86.1	SMC
5.0SMDJ40A	5.0SMDJ40CA	5000	5	40	44.4	49.1	1	64.5	77.6	SMC
5.0SMDJ43A	5.0SMDJ43CA	5000	5	43	47.8	52.8	1	69.4	72.1	SMC
5.0SMDJ45A	5.0SMDJ45CA	5000	5	45	50	55.3	1	72.7	68.8	SMC
5.0SMDJ48A	5.0SMDJ48CA	5000	5	48	53.3	58.9	1	77.4	64.7	SMC

TVS SMC 5000W 5.0SMDJ Series

Part Number		PPPM W 10/1000us	IR uA Max	VR V Max	VBR V Min	IT mA Max	VC V 10/1000us Max	IPP A 10/1000us	Package	
Uni	Bi									
5.0SMDJ51A	5.0SMDJ51CA	5000	5	51	56.7	62.7	1	82.4	60.7	SMC
5.0SMDJ54A	5.0SMDJ54CA	5000	5	54	60	66.3	1	87.1	57.5	SMC
5.0SMDJ58A	5.0SMDJ58CA	5000	5	58	64.4	71.2	1	93.6	53.5	SMC
5.0SMDJ60A	5.0SMDJ60CA	5000	5	60	66.7	73.7	1	96.8	51.7	SMC
5.0SMDJ64A	5.0SMDJ64CA	5000	5	64	71.1	78.6	1	103	48.6	SMC
5.0SMDJ70A	5.0SMDJ70CA	5000	5	70	77.8	86	1	113	44.3	SMC
5.0SMDJ75A	5.0SMDJ75CA	5000	5	75	83.3	92.1	1	121	41.4	SMC
5.0SMDJ78A	5.0SMDJ78CA	5000	5	78	86.7	95.8	1	126	39.7	SMC
5.0SMDJ85A	5.0SMDJ85CA	5000	5	85	94.4	104	1	137	36.5	SMC
5.0SMDJ90A	5.0SMDJ90CA	5000	5	90	100	111	1	146	34.3	SMC
5.0SMDJ100A	5.0SMDJ100CA	5000	5	100	111	123	1	162	30.9	SMC
5.0SMDJ110A	5.0SMDJ110CA	5000	5	110	122	135	1	177	28.3	SMC
5.0SMDJ120A	5.0SMDJ120CA	5000	5	120	133	147	1	193	26	SMC
5.0SMDJ130A	5.0SMDJ130CA	5000	5	130	144	159	1	209	24	SMC
5.0SMDJ150A	5.0SMDJ150CA	5000	5	150	167	185	1	243	20.6	SMC
5.0SMDJ160A	5.0SMDJ160CA	5000	5	160	178	197	1	259	19.3	SMC
5.0SMDJ170A	5.0SMDJ170CA	5000	5	170	189	209	1	275	18.2	SMC

TVS SMC 4600W P5T Series

Part Number		PPPM W 10/1000us	IR uA Max	VR V Max	VBR V Min	VBR V Max	IT mA	VC V 10/1000us Max	IPP A 10/1000us	Package
Uni	Bi									
P5T15A	P5T15CA	4600	10	15	16.7	18.5	5	24.4	185	SMC
P5T16A	P5T16CA	4600	10	16	17.8	19.7	5	26	175	SMC
P5T18A	P5T18CA	4600	10	18	20	22.1	5	29.2	155	SMC
P5T20A	P5T20CA	4600	10	20	22.2	24.5	5	32.4	141	SMC
P5T22A	P5T22CA	4600	10	22	24.4	26.9	5	35.5	129	SMC
P5T24A	P5T24CA	4600	10	24	26.7	29.5	5	38.9	119	SMC
P5T26A	P5T26CA	4600	10	26	28.9	31.9	5	42.1	103	SMC
P5T30A	P5T30CA	4600	10	30	33.3	36.8	5	48.4	93.9	SMC
P5T33A	P5T33CA	4600	10	33	36.7	40.6	5	53.3	86.1	SMC
P5T36A	P5T36CA	4600	10	36	40	44.2	5	58.1	77.6	SMC
P5T40A	P5T40CA	4600	10	40	44.4	49.1	5	64.5	71.3	SMC
P5T43A	P5T43CA	4600	10	43	47.8	52.8	5	69.4	66.2	SMC

TVS DO-218 6600W SM8S Series

Part Number		PPPM W 10/1000us	IR uA Max	VR V Max	VBR V Min	Max	IT mA	VC V 10/1000us Max	IPP A 10/1000us	Package
SM8S10A	Uni	6600	15	10	11.1	12.3	5	17	388	DO-218
SM8S11A	Uni	6600	10	11	12.2	13.5	5	18.2	363	DO-218
SM8S12A	Uni	6600	10	12	13.3	14.7	5	19.9	332	DO-218
SM8S13A	Uni	6600	10	13	14.4	15.9	5	21.5	307	DO-218
SM8S14A	Uni	6600	10	14	15.6	17.2	5	23.2	284	DO-218
SM8S15A	Uni	6600	10	15	16.7	18.5	5	24.4	270	DO-218
SM8S16A	Uni	6600	10	16	17.8	19.7	5	26	254	DO-218
SM8S17A	Uni	6600	10	17	18.9	20.9	5	27.6	239	DO-218
SM8S18A	Uni	6600	10	18	20	22.1	5	29.2	226	DO-218
SM8S20A	Uni	6600	10	20	22.2	24.5	5	32.4	204	DO-218
SM8S22A	Uni	6600	10	22	24.4	26.9	5	35.5	186	DO-218
SM8S24A	Uni	6600	10	24	26.7	29.5	5	38.9	170	DO-218
SM8S26A	Uni	6600	10	26	28.9	31.9	5	42.1	157	DO-218
SM8S28A	Uni	6600	10	28	31.1	34.4	5	45.4	145	DO-218
SM8S30A	Uni	6600	10	30	33.3	36.8	5	48.4	136	DO-218
SM8S33A	Uni	6600	10	33	36.7	40.6	5	53.3	124	DO-218
SM8S36A	Uni	6600	10	36	40	44.2	5	58.1	114	DO-218
SM8S40A	Uni	6600	10	40	44.4	49.1	5	64.5	102	DO-218
SM8S43A	Uni	6600	10	43	47.8	52.8	5	69.4	95.1	DO-218

TVS DO-218 4600W SM6S Series

Part Number		PPPM W 10/1000us	IR uA Max	VR V Max	VBR V Min	IT mA Max	VC V 10/1000us Max	IPP A 10/1000us	Package
SM6S10A	Uni	4600	15	10	11.1	12.3	5	17	DO-218
SM6S11A	Uni	4600	10	11	12.2	13.5	5	18.2	DO-218
SM6S12A	Uni	4600	10	12	13.3	14.7	5	19.9	DO-218
SM6S13A	Uni	4600	10	13	14.4	15.9	5	21.5	DO-218
SM6S14A	Uni	4600	10	14	15.6	17.2	5	23.2	DO-218
SM6S15A	Uni	4600	10	15	16.7	18.5	5	24.4	DO-218
SM6S16A	Uni	4600	10	16	17.8	19.7	5	26	DO-218
SM6S17A	Uni	4600	10	17	18.9	20.9	5	27.6	DO-218
SM6S18A	Uni	4600	10	18	20	22.1	5	29.2	DO-218
SM6S20A	Uni	4600	10	20	22.2	24.5	5	32.4	DO-218
SM6S22A	Uni	4600	10	22	24.4	26.9	5	35.5	DO-218
SM6S24A	Uni	4600	10	24	26.7	29.5	5	38.9	DO-218
SM6S26A	Uni	4600	10	26	28.9	31.9	5	42.1	DO-218
SM6S28A	Uni	4600	10	28	31.1	34.4	5	45.4	DO-218
SM6S30A	Uni	4600	10	30	33.3	36.8	5	48.4	DO-218
SM6S33A	Uni	4600	10	33	36.7	40.6	5	53.3	DO-218
SM6S36A	Uni	4600	10	36	40	44.2	5	58.1	DO-218
SM6S40A	Uni	4600	10	40	44.4	49.1	5	64.5	DO-218
SM6S43A	Uni	4600	10	43	47.8	52.8	5	69.4	DO-218

TVS DO-218 3600W SM5T Series

Part Number		PPPM W 10/1000us	IR uA Max	VR V Max	VBR V Min	Max	IT mA	VC V 10/1000us Max	IPP A 10/1000us	Package
SM5T10A	Uni	3600	15	10	11.1	12.3	5	17	212	DO-218
SM5T11A	Uni	3600	10	11	12.2	13.5	5	18.2	198	DO-218
SM5T12A	Uni	3600	10	12	13.3	14.7	5	19.9	181	DO-218
SM5T13A	Uni	3600	10	13	14.4	15.9	5	21.5	167	DO-218
SM5T14A	Uni	3600	10	14	15.6	17.2	5	23.2	155	DO-218
SM5T15A	Uni	3600	10	15	16.7	18.5	5	24.4	148	DO-218
SM5T16A	Uni	3600	10	16	17.8	19.7	5	26	138	DO-218
SM5T17A	Uni	3600	10	17	18.9	20.9	5	27.6	130	DO-218
SM5T18A	Uni	3600	10	18	20	22.1	5	29.2	123	DO-218
SM5T20A	Uni	3600	10	20	22.2	24.5	5	32.4	111	DO-218
SM5T22A	Uni	3600	10	22	24.4	26.9	5	35.5	101	DO-218
SM5T24A	Uni	3600	10	24	26.7	29.5	5	38.9	93	DO-218
SM5T26A	Uni	3600	10	26	28.9	31.9	5	42.1	86	DO-218
SM5T28A	Uni	3600	10	28	31.1	34.4	5	45.4	79	DO-218
SM5T30A	Uni	3600	10	30	33.3	36.8	5	48.4	74	DO-218
SM5T33A	Uni	3600	10	33	36.7	40.6	5	53.3	68	DO-218
SM5T36A	Uni	3600	10	36	40	44.2	5	58.1	62	DO-218
SM5T40A	Uni	3600	10	40	44.4	49.1	5	64.5	55	DO-218
SM5T43A	Uni	3600	10	43	47.8	52.8	5	69.4	51	DO-218

TVS AK1 Series

Part Number		PPPM W 10/1000us	IR uA	VR V	VBR V		IT mA	VC V 8/20us Max	IPP KA 8/20us	Package
			Max	Max	Min	Max				
AK1-076C	Bi		10	76	85	95	10		1	AK1

TVS AK3 Series

Part Number		PPPM W 10/1000us	IR uA	VR V	VBR V		IT mA	VC V 8/20us Max	IPP KA 8/20us	Package
			Max	Max	Min	Max				
AK3-015C	Bi		10	15	16	19	10		3	AK3
AK3-030C	Bi		10	30	32	37	10		3	AK3
AK3-042C	Bi		10	42					3	AK3
AK3-058C	Bi		10	58	64	70	10		3	AK3
AK3-066C	Bi		10	66	72	80	10		3	AK3
AK3-076C	Bi		10	76	85	95	10		3	AK3
AK3-150C	Bi		10	150	158	194	10		3	AK3
AK3-170C	Bi		10	170	179	220	10		3	AK3
AK3-380C	Bi		10	380	401	443	10		3	AK3
AK3-430C	Bi		10	430	440	490	10		3	AK3

TVS AK6 Series

Part Number		PPPM W 10/1000us	IR uA	VR V	VBR V		IT mA	VC V 8/20us Max	IPP KA 8/20us	Package
			Max	Max	Min	Max				
AK6-030C	Bi		10	30	32	37	10		6	AK6
AK6-058C	Bi		10	58	64	70	10		6	AK6
AK6-066C	Bi		10	66	72	80	10		6	AK6
AK6-076C	Bi		10	76	85	95	10		6	AK6
AK6-170C	Bi		10	170	180	220	10		6	AK6
AK6-190C	Bi		10	190	200	245	10		6	AK6
AK6-240C	Bi		10	240	250	285	10		6	AK6
AK6-380C	Bi		10	380	401	443	10		6	AK6
AK6-430C	Bi		10	430	440	490	10		6	AK6

TVS AK10 Series

Part Number		PPPM W 10/1000us	IR uA	VR V	VBR V		IT mA	VC V 8/20us Max	IPP KA 8/20us	Package
			Max	Max	Min	Max				
AK10-030C	Bi		10	30	32	37	10		10	AK10
AK10-058C	Bi		10	58	64	70	10		10	AK10
AK10-066C	Bi		10	66	72	80	10		10	AK10
AK10-076C	Bi		10	76	85	95	10		10	AK10
AK10-170C	Bi		10	170	180	220	10		10	AK10
AK10-190C	Bi		10	190	200	245	10		10	AK10
AK10-240C	Bi		10	240	250	285	10		10	AK10
AK10-380C	Bi		10	380	401	443	10		10	AK10
AK10-430C	Bi		10	430	440	490	10		10	AK10
AK10-530C	Bi		10	530	560	619	10		10	AK10

TVS AK15 Series

Part Number		PPPM W 10/1000us	IR uA	VR V	VBR V		IT mA	VC V 8/20us Max	IPP KA 8/20us	Package
			Max	Max	Min	Max				
AK15-058C	Bi		10	58	64	70	10		15	AK15
AK15-066C	Bi		10	66	72	80	10		15	AK15
AK15-076C	Bi		10	76	85	95	10		15	AK15