

# SURFACE MOUNT TVS DIODE

## Electrical Characteristics, 5.0 to 30 Volts

TRANSIENT VOLTAGE SUPPRESSOR DIODE

Operating Temperature: -55°C to 150°C

RF Part Number	Working Peak Reverse Voltage $V_{RWM}$ (V)	Break Down Voltage		@ IT (mA)	Maximum Clamping Voltage $V_{RSM}$ (V)	Maximum Reverse Current & Leakage								
		$V_{BR}$ (V)				*A Size			*B Size			*C Size		
		Min	Max			Current $I_{PPM}$ (A)	Leakage at $V_{NWM}$ $I_R$ ( $\mu$ A)	Device Marking Code	Current $I_{PPM}$ (A)	Leakage at $V_{NWM}$ $I_R$ ( $\mu$ A)	Device Marking Code	Current $I_{PPM}$ (A)	Leakage at $V_{NWM}$ $I_R$ ( $\mu$ A)	Device Marking Code
SM*J5.0	5	6.4	7.3	10	9.6	32	800	AD	62.5	800	KD	164	1000	GDD
SM*J5.0A	5	6.4	7	10	9.2	34	800	AE	65.2	800	KE	171	1000	GDE
SM*J6.0	6	6.7	8.2	10	11.4	27.6	800	AF	52.6	800	KF	138	1000	GDF
SM*J6.0A	6	6.7	7.4	10	10.3	30.5	800	AG	58.3	800	KG	152	1000	GDG
SM*J6.5	6.5	7.2	8.8	10	12.3	25.6	500	AH	48.7	500	KH	128	500	GDH
SM*J6.5A	6.5	7.2	8	10	11.2	28	500	AK	53.6	500	KK	140	500	GDK
SM*J7.0	7	7.8	9.5	10	13.3	23.6	200	AL	45.1	200	KL	116	200	GDL
SM*J7.0A	7	7.8	8.6	10	12	26	200	AM	50	200	KM	131	200	GDM
SM*J7.5	7.5	8.3	10.3	1	14.3	22	100	AN	42	100	KN	110	100	GDN
SM*J7.5A	7.5	8.3	9.2	1	12.9	24.4	100	AP	46.5	100	KP	122	100	GDP
SM*J8.0	8	8.9	10.9	1	15	21	50	AQ	40	50	KQ	105	50	GDQ
SM*J8.0A	8	8.9	9.8	1	13.6	23	50	AR	44.1	50	KR	115	50	GDR
SM*J8.5	8.5	9.4	11.5	1	15.9	19.8	10	AS	37.7	20	KS	99	25	GDS
SM*J8.5A	8.5	9.4	10.4	1	14.4	21.8	10	AT	41.7	20	KT	109	20	GDT
SM*J9.0	9	10	12.2	1	16.9	18.6	5	AU	35.5	10	KU	93	10	GDU
SM*J9.0A	9	10	11.1	1	15.4	20.4	5	AV	39	10	KV	102	10	GDV
SM*J10	10	11.1	13.6	1	18.8	16.7	5	AW	31.9	5	KW	83	5	GDW
SM*J10A	10	11.1	12.3	1	17	18.5	5	AX	35.3	5	KX	92	5	GDX
SM*J11	11	12.2	14.9	1	20.1	15.6	5	AY	29.9	5	KY	78	5	GDY
SM*J11A	11	12.2	13.5	1	18.2	17.3	5	AZ	33	5	KZ	86	5	GDZ
SM*J12	12	13.3	16.3	1	22	14.3	5	BD	27.3	5	LD	71	5	GED
SM*J12A	12	13.3	14.7	1	19.9	15.8	5	BE	30.2	5	LE	79	5	GEE
SM*J13	13	14.4	17.6	1	23.8	13	5	BF	25	5	LF	66	5	GEF
SM*J13A	13	14.4	15.9	1	21.5	14.6	5	BG	27.9	5	LG	73	5	GEG
SM*J14	14	15.6	19.1	1	25.8	12.2	5	BH	23.3	5	LH	61	5	GEH
SM*J14A	14	15.6	17.2	1	23.2	13.5	5	BK	25.8	5	LK	67	5	GEK
SM*J15	15	16.7	20.4	1	26.9	11.7	5	BL	22.3	5	LL	58	5	GEL
SM*J15A	15	16.7	18.5	1	24.4	12.9	5	BM	24	5	LM	64	5	GEM
SM*J16	16	17.8	21.8	1	28.8	10.9	5	BN	20.8	5	LN	54	5	GEN
SM*J16A	16	17.8	19.7	1	26	12	5	BP	16.7	5	LP	60	5	GEP
SM*J17	17	18.9	23.1	1	30.5	10.3	5	BQ	18.5	5	LQ	51	5	GEQ
SM*J17A	17	18.9	20.9	1	27.6	11.4	5	BR	15.2	5	LR	57	5	GER
SM*J18	18	20	24.4	1	32.2	9.7	5	BS	16.9	5	LS	48	5	GES
SM*J18A	18	20	22.1	1	29.2	10.7	5	BT	14	5	LT	53	5	GET
SM*J20	20	22.2	27.1	1	35.8	8.7	5	BU	15.4	5	LU	43	5	GEU
SM*J20A	20	22.2	24.5	1	32.4	9.7	5	BV	12.4	5	LV	48	5	GEV
SM*J22	22	24.4	29.8	1	39.4	8	5	BW	12	5	LW	39	5	GEW
SM*J22A	22	24.4	26.9	1	35.5	8.8	5	BX	13.2	5	LX	44	5	GEX
SM*J24	24	26.7	32.6	1	43	7.3	5	BY	11.2	5	LY	36	5	GEY
SM*J24A	24	26.7	29.5	1	38.9	8	5	BZ	12.4	5	LZ	40	5	GEZ
SM*J26	26	28.9	35.3	1	46.6	6.7	5	CD	10.2	5	MD	33	5	GGD
SM*J26A	26	28.9	31.9	1	42.1	7.4	5	CE	11.3	5	ME	37	5	GGE
SM*J28	28	31.1	38	1	50	6.3	5	CF	9.3	5	MF	31	5	GGF
SM*J28A	28	31.1	34.4	1	45.4	6.9	5	CG	10.3	5	MG	34	5	GGG
SM*J30	30	33.3	40.7	1	53.5	5.8	5	CH	8.4	5	MH	29	5	GGH
SM*J30A	30	33.3	36.8	1	48.4	6.5	5	CK	9.3	5	MK	32	5	GGK

\*Replace with A, B, or C, depending on wattage and size needed.