

**Electrical Characteristics @ 25°C Unless Otherwise Specified**

MCC Part Number		Breakdown Voltage $V_{BR}$ @ $I_T$			Maximum Reverse Leakage $I_D$ ( $\mu$ A) @ $V_{WM}$	Reverse Stand-Off Voltage $V_{WM}$ (Volts)	Maximum Reverse Surge Current $I_{pp}$ (A) @ 10x1000us sinewave	Maximum Clamping Voltage $V_c$ (Volts) @ $I_{pp}$	Device Marking Code	
		Min. (V)	Max. (V)	$I_T$ (mA)					Uni	Bi
SMA6J5.0A	SMA6J5.0CA	6.40	7.00	10	800	5.0	65.2	9.2	KE	TE
SMA6J6.0A	SMA6J6.0CA	6.67	7.37	10	800	6.0	58.3	10.3	KG	TG
SMA6J6.5A	SMA6J6.5CA	7.22	7.98	10	500	6.5	53.6	11.2	KK	TK
SMA6J7.0A	SMA6J7.0CA	7.78	8.60	10	200	7.0	50.0	12.0	KM	TM
SMA6J7.5A	SMA6J7.5CA	8.33	9.21	1	100	7.5	46.5	12.9	KP	TP
SMA6J8.0A	SMA6J8.0CA	8.89	9.83	1	50	8.0	44.1	13.6	KR	TR
SMA6J8.5A	SMA6J8.5CA	9.44	10.4	1	10	8.5	41.7	14.4	KT	TT
SMA6J9.0A	SMA6J9.0CA	10.0	11.1	1	5.0	9.0	39.0	15.4	KV	TV
SMA6J10A	SMA6J10CA	11.1	12.3	1	1.0	10	35.3	17.0	KX	TX
SMA6J11A	SMA6J11CA	12.2	13.5	1	1.0	11	33.0	18.2	KZ	TZ
SMA6J12A	SMA6J12CA	13.3	14.7	1	1.0	12	30.2	19.9	LE	UE
SMA6J13A	SMA6J13CA	14.4	15.9	1	1.0	13	27.9	21.5	LG	UG
SMA6J14A	SMA6J14CA	15.6	17.2	1	1.0	14	25.9	23.2	LK	UK
SMA6J15A	SMA6J15CA	16.7	18.5	1	1.0	15	24.6	24.4	LM	UM
SMA6J16A	SMA6J16CA	17.8	19.7	1	1.0	16	23.1	26.0	LP	UP
SMA6J17A	SMA6J17CA	18.9	20.9	1	1.0	17	21.7	27.6	LR	UR
SMA6J18A	SMA6J18CA	20.0	22.1	1	1.0	18	20.5	29.2	LT	UT
SMA6J19A	SMA6J19CA	21.1	23.3	1	1.0	19	19.5	30.8	LB	UB
SMA6J20A	SMA6J20CA	22.2	24.5	1	1.0	20	18.5	32.4	LV	UV
SMA6J22A	SMA6J22CA	24.4	26.9	1	1.0	22	16.9	35.5	LX	UX
SMA6J24A	SMA6J24CA	26.7	29.5	1	1.0	24	15.4	38.9	LZ	UZ
SMA6J26A	SMA6J26CA	28.9	31.9	1	1.0	26	14.3	42.1	ME	WE
SMA6J28A	SMA6J28CA	31.1	34.4	1	1.0	28	13.2	45.4	MG	WG
SMA6J30A	SMA6J30CA	33.3	36.8	1	1.0	30	12.4	48.4	MK	WK
SMA6J33A	SMA6J33CA	36.7	40.6	1	1.0	33	11.3	53.3	MM	WM
SMA6J36A	SMA6J36CA	40.0	44.2	1	1.0	36	10.3	58.1	MP	WP
SMA6J40A	SMA6J40CA	44.4	49.1	1	1.0	40	9.3	64.5	MR	WR
SMA6J43A	SMA6J43CA	47.8	52.8	1	1.0	43	8.65	69.4	MT	WT
SMA6J45A	SMA6J45CA	50.0	55.3	1	1.0	45	8.25	72.7	MV	WV
SMA6J48A	SMA6J48CA	53.3	58.9	1	1.0	48	7.75	77.4	MX	WX
SMA6J51A	SMA6J51CA	56.7	62.7	1	1.0	51	7.28	82.4	MZ	WZ
SMA6J54A	SMA6J54CA	60.0	66.3	1	1.0	54	6.89	87.1	NE	XE
SMA6J58A	SMA6J58CA	64.4	71.2	1	1.0	58	6.41	93.6	NG	XG

Note:  
\*For Bi-Directional devices having  $V_R$  of 10 volts and under, the  $I_R$  limit is double .

Curve Characteristics

Fig. 1 - Peak Pulse Power Rating Curve

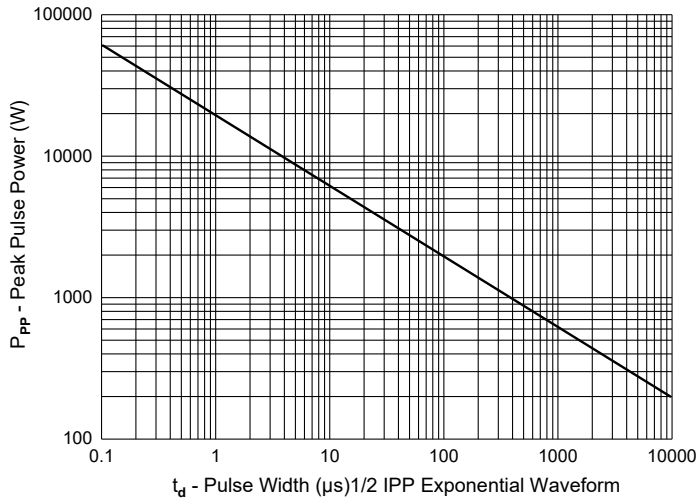


Fig. 2 - Typical Junction Capacitance

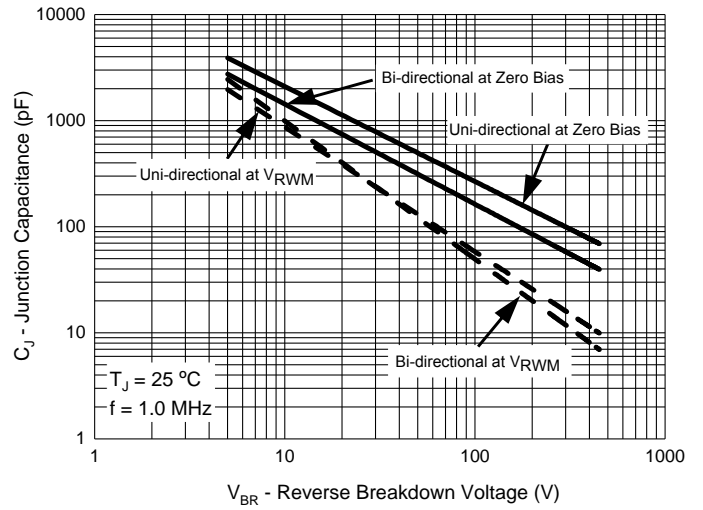


Fig. 3 - Pulse Waveform

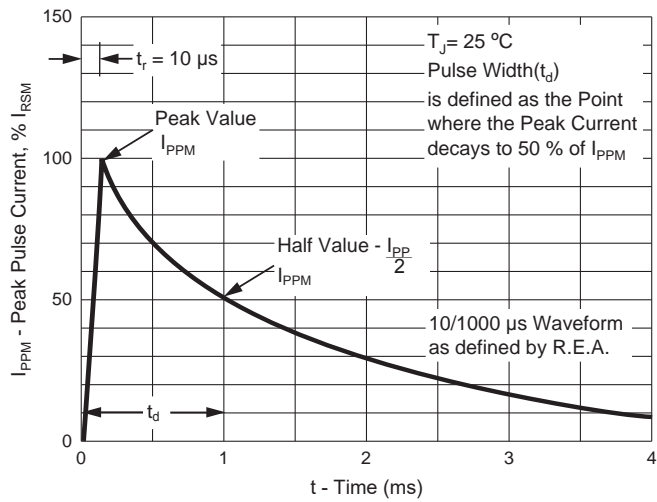
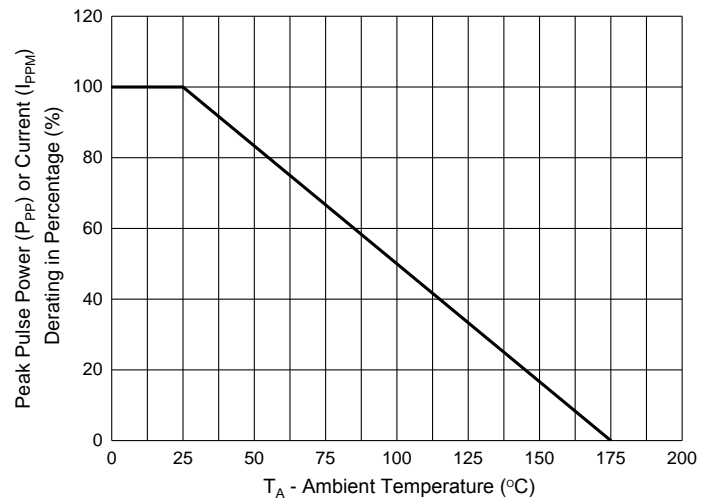


Fig. 4 - Pulse Derating Curve



## Ordering Information

Device	Packing
Part Number-TP	Tape&Reel:5Kpcs/Reel

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