

Electrical Characteristics @ 25°C Unless Otherwise Specified

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

For Bi-directional type having V_{RWM} of 10 Volts and less, the IR limit is double

Curve Characteristics

Fig. 1 - Peak Pulse Power Rating Curve

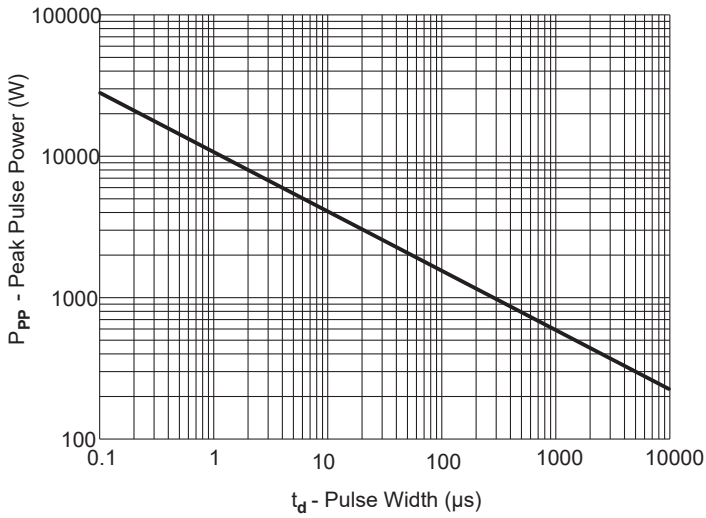


Fig. 2 - Typical Junction Capacitance

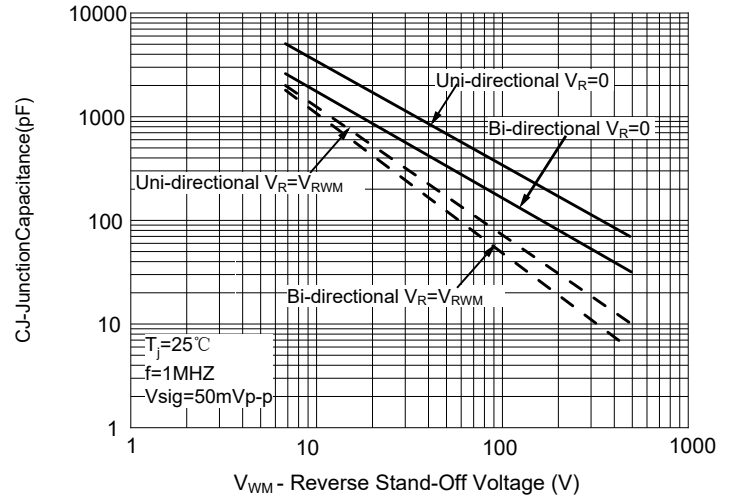


Fig. 3 - Pulse Waveform

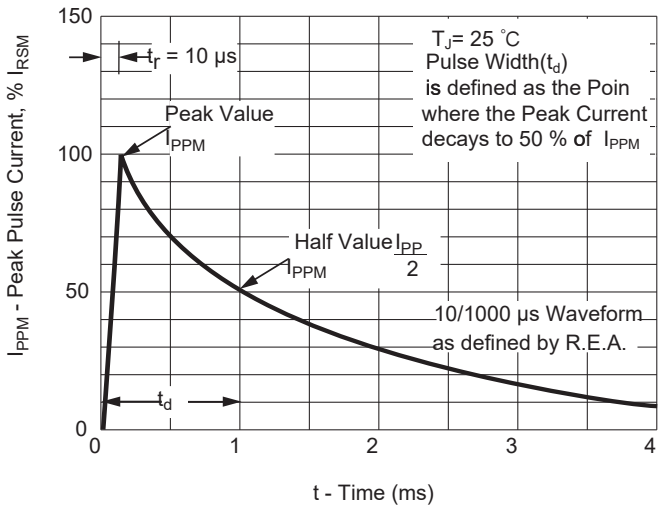


Fig. 4 - Pulse Derating Curve

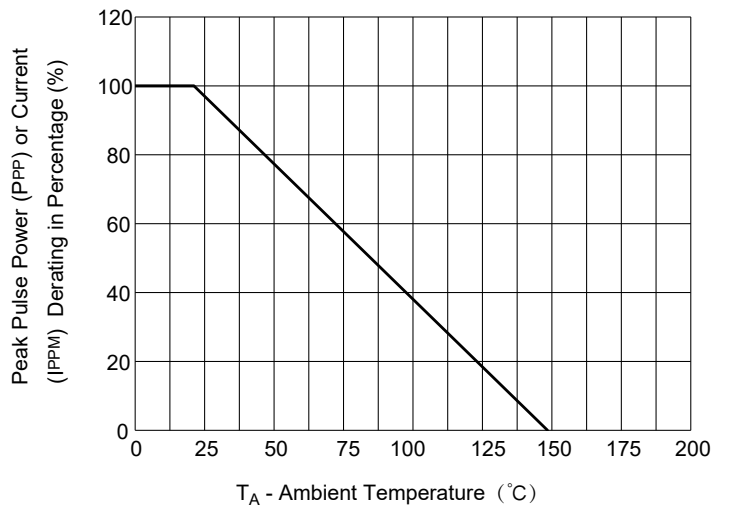
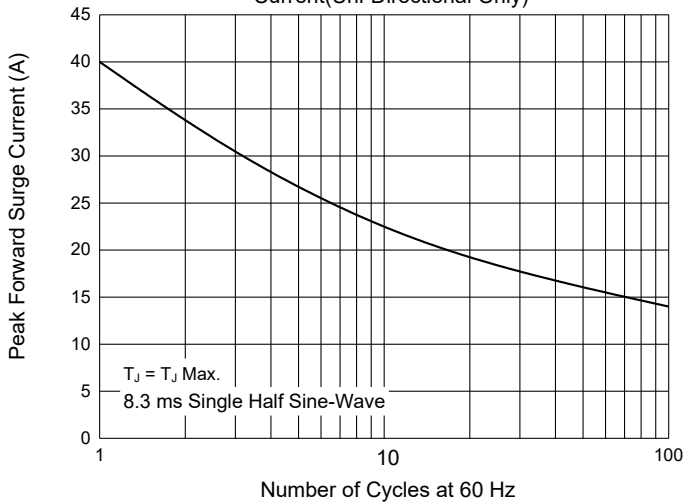


Fig. 5 - Maximum Non-Repetitive Peak Forward Surge Current (Uni-Directional Only)



Ordering Information

Device	Packing
Part Number-TP	Tape&Reel:3Kpcs/Reel

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