

Electrical Characteristics @ 25°C Unless Otherwise Specified

MCC Part Number	Breakdown Voltage V_{BR} @ I_T			Maximum Reverse Leakage I_R @ V_{RWM} (μA)	Maximum I_R @ V_{RWM} $T_J=175$ (μA)	Working Peak Reverse Voltage V_{RWM} (V)	Maximum Reverse Surge Current IPP (A) ⁽¹⁾	Maximum Clamping Voltage V_C @ I_{PP} (V)
	(Uni)	Min (V)	Max (V)					
SM8S10A		11.1	12.3	5.0	15	10	388	17.0
SM8S11A		12.2	13.5	5.0	10	11	363	18.2
SM8S12A		13.3	14.7	5.0	10	12	332	19.9
SM8S13A		14.4	15.9	5.0	10	13	307	21.5
SM8S14A		15.6	17.2	5.0	10	14	284	23.2
SM8S15A		16.7	18.5	5.0	10	15	270	24.4
SM8S16A		17.8	19.7	5.0	10	16	254	26.0
SM8S17A		18.9	20.9	5.0	10	17	239	27.6
SM8S18A		20.0	22.1	5.0	10	18	226	29.2
SM8S20A		22.2	24.5	5.0	10	20	204	32.4
SM8S22A		24.4	26.9	5.0	10	22	186	35.5
SM8S24A		26.7	29.5	5.0	10	24	170	38.9
SM8S26A		28.9	31.9	5.0	10	26	157	42.1
SM8S28A		31.1	34.4	5.0	10	28	145	45.4
SM8S30A		33.3	36.8	5.0	10	30	136	48.4
SM8S33A		36.7	40.6	5.0	10	33	124	53.3
SM8S36A		40.0	44.2	5.0	10	36	114	58.1
SM8S40A		44.4	49.1	5.0	10	40	102	64.5
SM8S43A		47.8	52.8	5.0	10	43	95.1	69.4

Note: 1.Surge current waveform is defined at 10/1000us waveform

2.For all types maximum $V_F = 1.9V$ at $I_F = 100A$ measured on 8.3 ms single half sine-wave or equivalent square wave, duty cycle = 4 pulses per minute maximum

Curve Characteristics

Fig. 1 - Peak Pulse Power Rating Curve

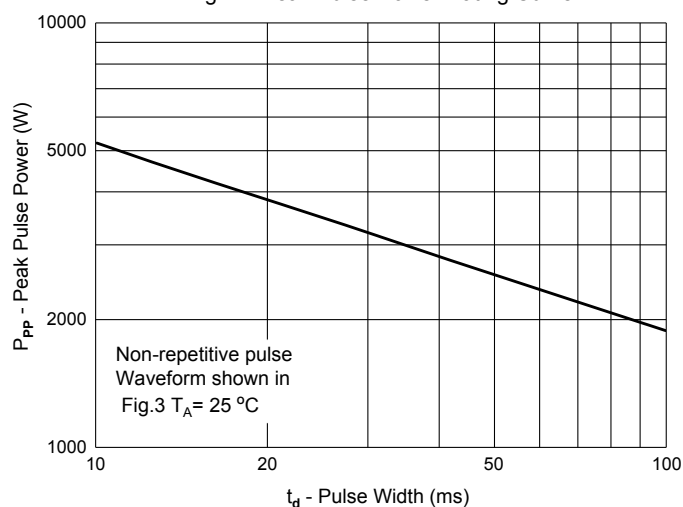


Fig. 2 - Typical Junction Capacitance

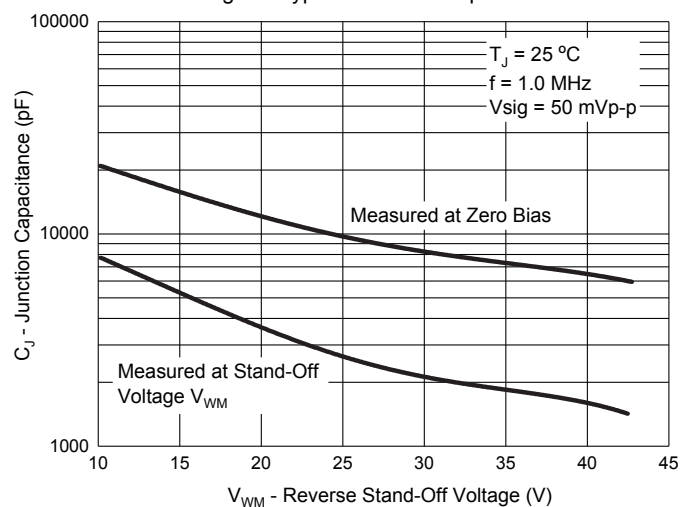


Fig. 3 - Pulse Waveform

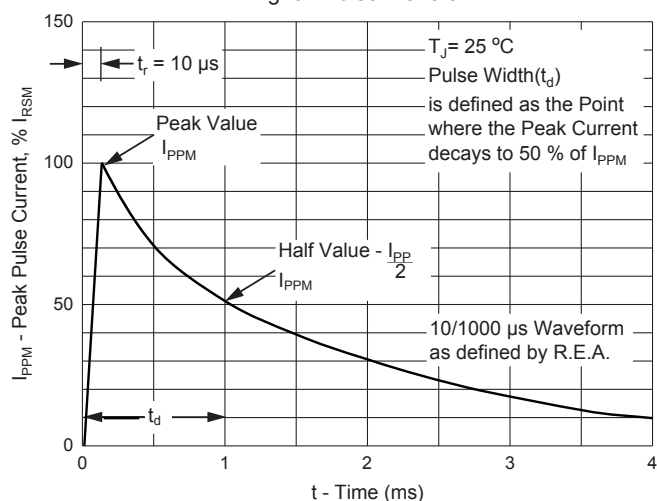
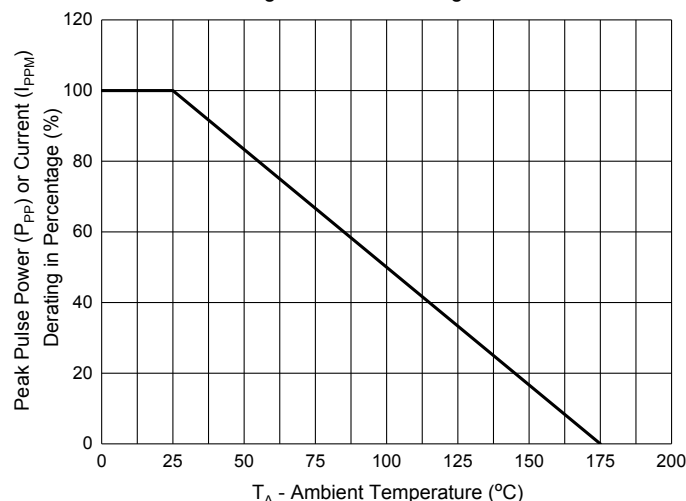


Fig. 4 - Pulse Derating Curve



Ordering Information

Device	Packing
Part Number-TP	Tape&Reel:750pcs/Reel

Note : Adding "-HF" Suffix For Halogen Free, eg. Part Number-TP-HF

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