/ Revised record

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<tr><td>A</td><td>2019-1-12</td><td></td><td></td><td></td><td></td></tr>
<tr><td>B</td><td>2021-2-9</td><td>5/9</td><td>Td ,
V_F 5V
$R_{\theta JA}$ $R_{\theta JL}$ P_D
<table><tr><td rowspan="2">ESD Voltage per IEC61000-4-2</td><td>Contact</td><td>V_{ESD1}</td><td>±30 KV</td></tr><tr><td>Air</td><td>V_{ESD2}</td><td>±30 KV</td></tr></table></td><td></td><td></td></tr>
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10/1000μs 1500W 5.0V~440V SMC

Surface mount transient voltage suppressor,1500W peak pulse power capability at 10/1000μs waveform,Reverse Stand-Off Voltage:5.0V~440V,SMC package.

Glass passivated junction, Low inductance, For surface mounted applications, HF product.

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General purpose.

Unipolar

Bipolar

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Parameter	Symbol	Rating	Unit
Peak Pulse Power Dissipation on 10/1000 us waveform	P_{PPM}	1500	W
Peak Forward Surge Current,8.3ms Single Half Sine-Wave Superimposed on Rated Load (JEDEC Method)	I_{FSM} (UNI)	200	A
Power dissipation on Infinite heat sink at TA=50 °C	P_D	6.5	W
Maximum instantaneous forward voltage at 100 A for unidirectional only	V_F	3.5	V
Typical Thermal Resistance Junction to Ambient(Note 1)	$R_{\theta JA}$ $R_{\theta JL}$	75 15	℃/W
Operating Junction and Storage Temperature Range	T_j, T_{stg}	-55 ~ +150	℃

Note:

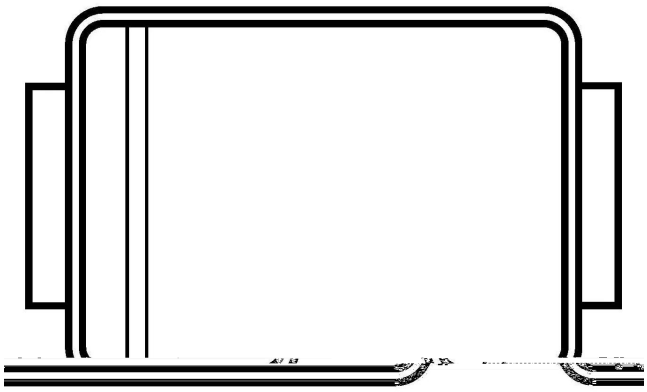
1. Md nted on 8 mm2 (0.13mm thick) land areas.

Type		Reverse Stand-off Voltage	Breakdown Voltage		Test Current	Maximum Reverse Leakage	Max. Clamp Voltage	Peak Pulse Current	Package	
			V_{BR} @ I_T						SMC	
		V_{RRM}	Min	Max	I_T	I_R @ V_{RRM}	V_C @ I_{PP}	I_{PP}	Device Marking Ccode	
UNI	BI	V	V	V	mA	uA	V	A	UNI	BI
SMCJ5.0A	SMCJ5.0CA	5	6.4	7	10	800	9.2	163	GDE	BDE
SMCJ6.0A	SMCJ6.0CA	6	6.67	7.37	10	800	10.3	145.7	GDG	BDG
SMCJ6.5A	SMCJ6.5CA	6.5	7.22	7.98	10	500	11.2	134	GDK	BDK
SMCJ7.0A	SMCJ7.0CA	7	7.78	8.6	10	200	12.0	125	GDM	BDM
SMCJ7.5A	SMCJ7.5CA	7.5	8.33	9.21	1	100	12.9	116.3	GDP	BDP
SMCJ8.0A	SMCJ8.0CA	8	8.89	9.83	1	50	13.6	110.3	GDR	BDR
SMCJ8.5A	SMCJ8.5CA	8.5	9.44	10.4	1	20	14.4	104.2	GDT	BDT
SMCJ9.0A	SMCJ9.0CA	9	10	11.1	1	10	15.4	97.4	GDV	BDV
SMCJ10A	SMCJ10CA	10	11.1	12.3	1	5	17.0	88.3	GDX	BDX
SMCJ11A	SMCJ11CA	11	12.2	13.5	1	1	18.2	82.5	GDZ	BDZ
SMCJ12A	SMCJ12CA	12	13.3	14.7	1	1	19.9	75.4	GEE	BEE
SMCJ13A	SMCJ13CA	13	14.4	15.9	1	1	21.5	69.8	GEG	BEG
SMCJ14A	SMCJ14CA	14	15.6	17.2	1	1	23.2	64.7	GEK	BEK
SMCJ15A	SMCJ15CA									

Type	Reverse Stand-off Voltage	Breakdown Voltage	Test Current	Reverse Leakage	Max. Clamp

/ Electrical Characteristic Curve

/ Marking Instructions



SMCJ Series