

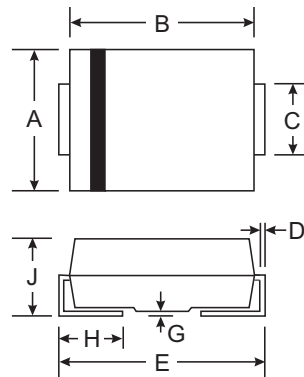
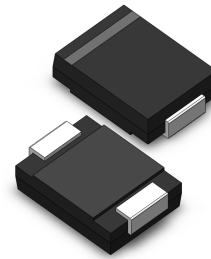
**VOLTAGE RANGE: 3.3 - 200V**  
**POWER: 5.0Watts**

### Features

- Complete Voltage Range 3.3 to 200 Volts
- High peak reverse power dissipation
- High reliability
- Low leakage current

### Mechanical Data

- Case: SMC ,DO-214AB
- Case Material: Molded Plastic. UL Flammability Classification Rating 94V-0
- Terminals: Lead Free Plating (Matte Tin Finish). Solderable per MIL-STD-202, Method 208
- Weight: 0.21 grams (approximate)



SMC/DO-214AB		
Dim	Min	Max
A	5.59	6.22
B	6.60	7.11
C	2.75	3.18
D	0.15	0.31
E	7.75	8.13
G	0.10	0.20
H	0.76	1.52
J	2.00	2.62
All Dimensions in mm		

### Maximum Ratings @ T<sub>A</sub> = 25°C unless otherwise specified

Rating	Symbol	Value	Unit
Power Dissipation at T <sub>L</sub> = 25 °C	P <sub>D</sub>	5	W
Maximum Forward Voltage at I <sub>F</sub> = 1.0 A	V <sub>F</sub>	1.2	V
Thermal Resistance, Junction to Ambient (Note 1)	R <sub>θJA</sub>	90	°C/W
Thermal Resistance, Junction to Lead (Note 1)	R <sub>θJL</sub>	25	°C/W
Operating and Storage Temperature Range	T <sub>J</sub> , T <sub>STG</sub>	- 65 to + 150	°C

**Note :**

(1) When mounted on FR4 PC board (1 oz Cu) with recommended footprint.



## ELECTRICAL CHARACTERISTICS (Rating at 25 °C ambient temperature unless otherwise specified)

TYPE	Regulator Voltage		Maximum Zener Impedance			Maximum Reverse Leakage Current		Maximum Zener Current	Maximum Surge Current	Maximum Voltage
	$V_Z @ I_{ZT}$	$I_{ZT}$	$Z_{ZT} @ I_{ZT}$	$Z_{ZK} @ I_{ZK}$	$I_{ZK}$	$I_R @ V_R$		$I_{ZM}$	$I_{ZSM}$	Regulator
	(V)	(mA)	( $\Omega$ )	( $\Omega$ )	(mA)	( $\mu$ A)	(V)	(mA)	(A)	$\Delta V_Z$
SMCJ5333B	3.3	380	3.0	400	1.0	300	1.0	1440	20.0	0.85
SMCJ5334B	3.6	350	2.5	500	1.0	150	1.0	1320	18.7	0.80
SMCJ5335B	3.9	320	2.0	500	1.0	50	1.0	1220	17.6	0.54
SMCJ5336B	4.3	290	2.0	500	1.0	10	1.0	1100	16.4	0.49
SMCJ5337B	4.7	260	2.0	450	1.0	5.0	1.0	1010	15.3	0.44
SMCJ5338B	5.1	240	1.5	400	1.0	1.0	1.0	930	14.4	0.39
SMCJ5339B	5.6	220	1.0	400	1.0	1.0	2.0	856	13.4	0.25
SMCJ5340B	6.0	200	1.0	300	1.0	1.0	3.0	790	12.7	0.19
SMCJ5341B	6.2	200	1.0	200	1.0	1.0	3.0	765	12.4	0.10
SMCJ5342B	6.8	175	1.0	200	1.0	10	5.2	700	11.5	0.15
SMCJ5343B	7.5	175	1.5	200	1.0	10	5.7	630	10.7	0.15
SMCJ5344B	8.2	150	1.5	200	1.0	10	6.2	580	10.0	0.20
SMCJ5345B	8.7	150	2.0	200	1.0	10	6.6	545	9.5	0.20
SMCJ5346B	9.1	150	2.0	150	1.0	7.5	6.9	520	9.2	0.22
SMCJ5347B	10	125	2.0	125	1.0	5.0	7.6	475	8.6	0.22
SMCJ5348B	11	125	2.5	125	1.0	5.0	8.4	430	8.0	0.25
SMCJ5349B	12	100	2.5	125	1.0	2.0	9.1	395	7.5	0.25
SMCJ5350B	13	100	2.5	100	1.0	1.0	9.9	365	7.0	0.25
SMCJ5351B	14	100	2.5	75	1.0	1.0	10.6	340	6.7	0.25
SMCJ5352B	15	75	2.5	75	1.0	1.0	11.5	315	6.3	0.25
SMCJ5353B	16	75	2.5	75	1.0	1.0	12.2	295	6.0	0.30
SMCJ5354B	17	70	2.5	75	1.0	0.5	12.9	280	5.8	0.35
SMCJ5355B	18	65	2.5	75	1.0	0.5	13.7	265	5.5	0.40
SMCJ5356B	19	65	3.0	75	1.0	0.5	14.4	250	5.3	0.40
SMCJ5357B	20	65	3.0	75	1.0	0.5	15.2	237	5.1	0.40
SMCJ5358B	22	50	3.5	75	1.0	0.5	16.7	216	4.7	0.45
SMCJ5359B	24	50	3.5	100	1.0	0.5	18.2	198	4.4	0.55
SMCJ5360B	25	50	4.0	110	1.0	0.5	19.0	190	4.3	0.55
SMCJ5361B	27	50	5.0	120	1.0	0.5	20.6	176	4.1	0.60
SMCJ5362B	28	50	6.0	130	1.0	0.5	21.2	170	3.9	0.60
SMCJ5363B	30	40	8.0	140	1.0	0.5	22.8	158	3.7	0.60
SMCJ5364B	33	40	10	150	1.0	0.5	25.1	144	3.5	0.60
SMCJ5365B	36	30	11	160	1.0	0.5	27.4	132	3.3	0.65
SMCJ5366B	39	30	14	170	1.0	0.5	29.7	122	3.1	0.65
SMCJ5367B	43	30	20	190	1.0	0.5	32.7	110	2.8	0.70
SMCJ5368B	47	25	25	210	1.0	0.5	35.8	100	2.7	0.80
SMCJ5369B	51	25	27	230	1.0	0.5	38.8	93.0	2.5	0.90
SMCJ5370B	56	20	35	280	1.0	0.5	42.6	86.0	2.3	1.00
SMCJ5371B	60	20	40	350	1.0	0.5	45.5	79.0	2.2	1.20
SMCJ5372B	62	20	42	400	1.0	0.5	47.1	76.0	2.1	1.35
SMCJ5373B	68	20	44	500	1.0	0.5	51.7	70.0	2.0	1.50
SMCJ5374B	75	20	45	620	1.0	0.5	56.0	63.0	1.9	1.60
SMCJ5375B	82	15	65	720	1.0	0.5	62.2	58.0	1.8	1.80
SMCJ5376B	87	15	75	760	1.0	0.5	66.0	54.5	1.7	2.00
SMCJ5377B	91	15	75	760	1.0	0.5	69.2	52.5	1.6	2.20
SMCJ5378B	100	12	90	800	1.0	0.5	76.0	47.5	1.5	2.30
SMCJ5379B	110	12	125	1000	1.0	0.5	83.6	43.0	1.4	2.50
SMCJ5380B	120	10	170	1150	1.0	0.5	91.2	39.5	1.3	2.50
SMCJ5381B	130	10	190	1250	1.0	0.5	98.8	36.6	1.2	2.50
SMCJ5382B	140	8.0	230	1500	1.0	0.5	106	34.0	1.2	2.50
SMCJ5383B	150	8.0	330	1500	1.0	0.5	114	31.6	1.1	3.00
SMCJ5384B	160	8.0	350	1650	1.0	0.5	122	29.4	1.1	3.00
SMCJ5385B	170	8.0	380	1750	1.0	0.5	129	28.0	1.0	3.00
SMCJ5386B	180	5.0	430	1750	1.0	0.5	137	26.4	1.0	4.00
SMCJ5387B	190	5.0	450	1850	1.0	0.5	144	25.0	0.9	5.00
SMCJ5388B	200	5.0	480	1850	1.0	0.5	152	23.6	0.9	5.00

Notes : (1) Suffix " B " indicates  $\pm 5\%$  tolerance, suffix " A " indicates  $\pm 10\%$  tolerance.

(2) The surge current ( $I_{ZSM}$ ) is specified as the maximum peak of a non- recurrent half-sin wave of 8.3 ms duration.

(3) Voltage regulation ( $V_Z$ ) is the difference between the voltage measured at 10% and 50% of I