

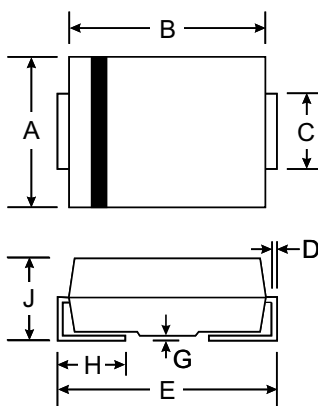
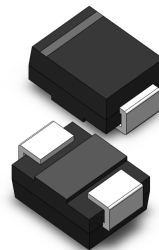
VOLTAGE RANGE: 10 - 68V
POWER: 1.5Watts

Features

- Plastic package has Underwriters Laboratory Flammability Classification 94V-0
- For surface mount applications
- Glass passivated chip junction
- Low Zener impedance
- Low regulation factor
- High temperature soldering guaranteed: 250°C/10 seconds at terminals

Mechanical Data

- Case: SMB/DO-214AA, Molded Plastic
- Terminals: Solder Plated, Solderable per MIL-STD-750, Method 2026
- Polarity: Cathode Band or Cathode Notch
- Marking: Type Number
- Weight: 0.093 grams (approx.)



SMB(DO-214AA)		
Dim	Min	Max
A	3.30	3.94
B	4.06	4.70
C	1.91	2.21
D	0.15	0.31
E	5.00	5.59
G	0.10	0.20
H	0.76	1.52
J	2.00	2.62

All Dimensions in mm

Maximum Ratings $T_A = 25^\circ\text{C}$ unless otherwise specified

Rating	Symbol	Value	Unit
DC Power Dissipation @ $T_L = 75^\circ\text{C}$	P_D	1.5	W
Measured zero lead length(1" square copper pad, FR-4 board) Derate above 75°C		20	mW/ $^\circ\text{C}$
Thermal Resistance Junction to Lead	$R_{\theta JL}$	50	$^\circ\text{C}/\text{W}$
DC Power Dissipation @ $T_a = 25^\circ\text{C}$ (FR-4 board) Derate above 25°C	P_D	0.5	W
Thermal Resistance Junction to Ambient	$R_{\theta JA}$	250	$^\circ\text{C}/\text{W}$
Maximum Forward Voltage at $I_F = 200\text{ mA}$	V_F	1.5	V
Operating Junction and Storage Temperature Range	T_J, T_{STG}	- 65 to + 150	$^\circ\text{C}$

PART NUMBER	NOMINAL ZENER VOLTAGE Vz at IzT (Volts)	TEST CURRENT IzT (mA)	MAX. ZENER IMPEDANCE			MAX. REVERSE LEAKAGE CURRENT Ir at Vr		MAX. ZENER CURRENT IzM (mA)
			ZzT at IzT	Zzk at Izk		(μA)	(Volts)	
			(Ohms)	(Ohms)	(mA)			
SMZJ3789B	10.0	37.5	5.0	1000	0.25	50.0	7.6	125
SMZJ3790B	11.0	34.1	6.0	650	0.25	10.0	8.4	115
SMZJ3791B	12.0	31.2	7.0	550	0.25	5.0	9.1	105
SMZJ3792B	13.0	28.8	7.5	550	0.25	5.0	9.9	98
SMZJ3793B	15.0	25.0	9.0	600	0.25	5.0	11.4	85
SMZJ3794B	16.0	23.4	10.0	600	0.25	5.0	12.2	80
SMZJ3795B	18.0	20.8	12.0	650	0.25	5.0	13.7	70
SMZJ3796B	20.0	18.7	14.0	650	0.25	5.0	15.2	62
SMZJ3797B	22.0	17.0	17.5	650	0.25	5.0	16.7	56
SMZJ3798B	24.0	15.6	19.0	700	0.25	5.0	18.2	51
SMZJ3799B	27.0	13.9	23.0	700	0.25	5.0	20.6	46
SMZJ3800B	30.0	12.5	26.0	750	0.25	5.0	22.8	41
SMZJ3801B	33.0	11.4	33.0	800	0.25	5.0	25.1	38
SMZJ3802B	36.0	10.4	38.0	850	0.25	5.0	27.4	35
SMZJ3803B	39.0	9.6	45.0	900	0.25	5.0	29.7	31
SMZJ3804B	43.0	8.7	53.0	950	0.25	5.0	32.7	28
SMZJ3805B	47.0	8.0	67.0	1000	0.25	5.0	35.8	26
SMZJ3806B	51.0	7.3	70.0	1100	0.25	5.0	38.8	24
SMZJ3807B	56.0	6.7	86.0	1300	0.25	5.0	42.6	22
SMZJ3808B	62.0	6.0	100.0	1500	0.25	5.0	47.1	20
SMZJ3809B	68.0	5.5	120.0	1700	0.25	5.0	51.7	18