



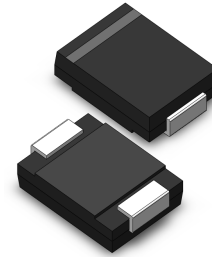
CMZ5333B - CMZ5388B

SURFACE MOUNT SILICON ZENER DIODES

VOLTAGE RANGE: 3.3 - 200V
POWER: 5.0Watts

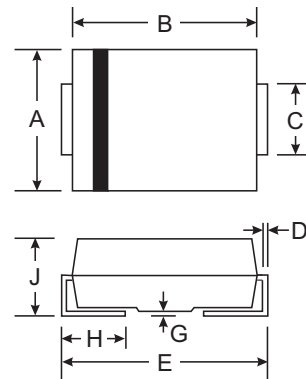
Features

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



Mechanical Data

- Case: SMC/DO-214AB, Molded Plastic
- Terminals: Solder Plated, Solderable per MIL-STD-750, Method 2026
- Polarity: Cathode Band or Cathode Notch
- Marking: Type Number
- Weight: 0.21 grams (approx.)



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_A = 25°C unless otherwise specified

Rating	Symbol	Value	Unit
Power Dissipation at T _L = 25 °C	P _D	5	W
Maximum Forward Voltage at I _F = 1.0 A	V _F	1.2	V
Thermal Resistance, Junction to Ambient (Note 1)	R _{θJA}	90	°C/W
Thermal Resistance, Junction to Lead (Note 1)	R _{θJL}	25	°C/W
Operating and Storage Temperature Range	T _J , T _{STG}	- 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)	(Ω)	(Ω)	(mA)	(μ A)	(V)	(mA)	(A)	ΔV_Z
CMZ5333B	3.3	380	3.0	400	1.0	300	1.0	1440	20.0	0.85
CMZ5334B	3.6	350	2.5	500	1.0	150	1.0	1320	18.7	0.80
CMZ5335B	3.9	320	2.0	500	1.0	50	1.0	1220	17.6	0.54
CMZ5336B	4.3	290	2.0	500	1.0	10	1.0	1100	16.4	0.49
CMZ5337B	4.7	260	2.0	450	1.0	5.0	1.0	1010	15.3	0.44
CMZ5338B	5.1	240	1.5	400	1.0	1.0	1.0	930	14.4	0.39
CMZ5339B	5.6	220	1.0	400	1.0	1.0	2.0	856	13.4	0.25
CMZ5340B	6.0	200	1.0	300	1.0	1.0	3.0	790	12.7	0.19
CMZ5341B	6.2	200	1.0	200	1.0	1.0	3.0	765	12.4	0.10
CMZ5342B	6.8	175	1.0	200	1.0	10	5.2	700	11.5	0.15
CMZ5343B	7.5	175	1.5	200	1.0	10	5.7	630	10.7	0.15
CMZ5344B	8.2	150	1.5	200	1.0	10	6.2	580	10.0	0.20
CMZ5345B	8.7	150	2.0	200	1.0	10	6.6	545	9.5	0.20
CMZ5346B	9.1	150	2.0	150	1.0	7.5	6.9	520	9.2	0.22
CMZ5347B	10	125	2.0	125	1.0	5.0	7.6	475	8.6	0.22
CMZ5348B	11	125	2.5	125	1.0	5.0	8.4	430	8.0	0.25
CMZ5349B	12	100	2.5	125	1.0	2.0	9.1	395	7.5	0.25
CMZ5350B	13	100	2.5	100	1.0	1.0	9.9	365	7.0	0.25
CMZ5351B	14	100	2.5	75	1.0	1.0	10.6	340	6.7	0.25
CMZ5352B	15	75	2.5	75	1.0	1.0	11.5	315	6.3	0.25
CMZ5353B	16	75	2.5	75	1.0	1.0	12.2	295	6.0	0.30
CMZ5354B	17	70	2.5	75	1.0	0.5	12.9	280	5.8	0.35
CMZ5355B	18	65	2.5	75	1.0	0.5	13.7	265	5.5	0.40
CMZ5356B	19	65	3.0	75	1.0	0.5	14.4	250	5.3	0.40
CMZ5357B	20	65	3.0	75	1.0	0.5	15.2	237	5.1	0.40
CMZ5358B	22	50	3.5	75	1.0	0.5	16.7	216	4.7	0.45
CMZ5359B	24	50	3.5	100	1.0	0.5	18.2	198	4.4	0.55
CMZ5360B	25	50	4.0	110	1.0	0.5	19.0	190	4.3	0.55
CMZ5361B	27	50	5.0	120	1.0	0.5	20.6	176	4.1	0.60
CMZ5362B	28	50	6.0	130	1.0	0.5	21.2	170	3.9	0.60
CMZ5363B	30	40	8.0	140	1.0	0.5	22.8	158	3.7	0.60
CMZ5364B	33	40	10	150	1.0	0.5	25.1	144	3.5	0.60
CMZ5365B	36	30	11	160	1.0	0.5	27.4	132	3.3	0.65
CMZ5366B	39	30	14	170	1.0	0.5	29.7	122	3.1	0.65
CMZ5367B	43	30	20	190	1.0	0.5	32.7	110	2.8	0.70
CMZ5368B	47	25	25	210	1.0	0.5	35.8	100	2.7	0.80
CMZ5369B	51	25	27	230	1.0	0.5	38.8	93.0	2.5	0.90
CMZ5370B	56	20	35	280	1.0	0.5	42.6	86.0	2.3	1.00
CMZ5371B	60	20	40	350	1.0	0.5	45.5	79.0	2.2	1.20
CMZ5372B	62	20	42	400	1.0	0.5	47.1	76.0	2.1	1.35
CMZ5373B	68	20	44	500	1.0	0.5	51.7	70.0	2.0	1.50
CMZ5374B	75	20	45	620	1.0	0.5	56.0	63.0	1.9	1.60
CMZ5375B	82	15	65	720	1.0	0.5	62.2	58.0	1.8	1.80
CMZ5376B	87	15	75	760	1.0	0.5	66.0	54.5	1.7	2.00
CMZ5377B	91	15	75	760	1.0	0.5	69.2	52.5	1.6	2.20
CMZ5378B	100	12	90	800	1.0	0.5	76.0	47.5	1.5	2.30
CMZ5379B	110	12	125	1000	1.0	0.5	83.6	43.0	1.4	2.50
CMZ5380B	120	10	170	1150	1.0	0.5	91.2	39.5	1.3	2.50
CMZ5381B	130	10	190	1250	1.0	0.5	98.8	36.6	1.2	2.50
CMZ5382B	140	8.0	230	1500	1.0	0.5	106	34.0	1.2	2.50
CMZ5383B	150	8.0	330	1500	1.0	0.5	114	31.6	1.1	3.00
CMZ5384B	160	8.0	350	1650	1.0	0.5	122	29.4	1.1	3.00
CMZ5385B	170	8.0	380	1750	1.0	0.5	129	28.0	1.0	3.00
CMZ5386B	180	5.0	430	1750	1.0	0.5	137	26.4	1.0	4.00
CMZ5387B	190	5.0	450	1850	1.0	0.5	144	25.0	0.9	5.00
CMZ5388B	200	5.0	480	1850	1.0	0.5	152	23.6	0.9	5.00