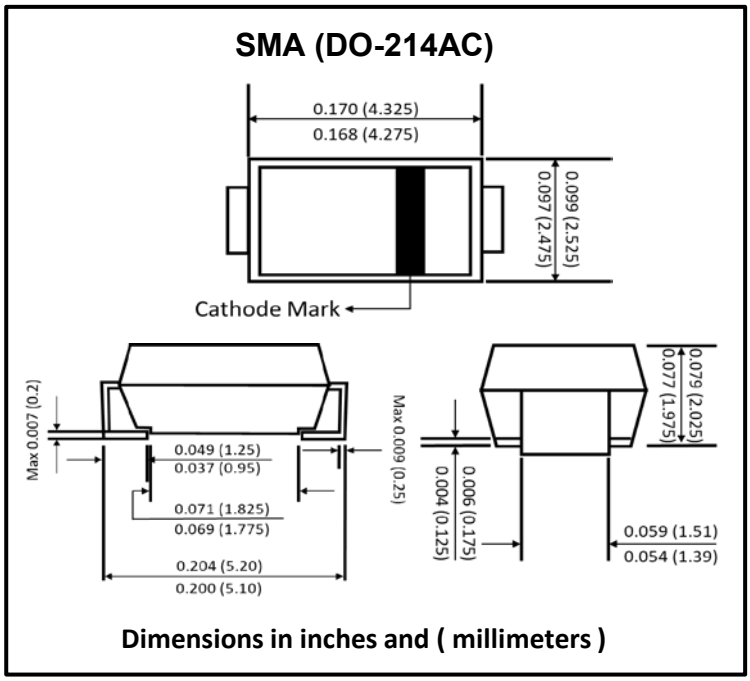
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SZ353D - SZ35D0

SURFACE MOUNT SILICON ZENER DIODES

V_Z : 3.3 - 200 Volts
P_D : 1.5 Watts



FEATURES :

* Complete Voltage Range 3.3 to 200 Volts
* High peak reverse power dissipation
* High reliability
* Low leakage current
* Pb / RoHS Free

MECHANICAL DATA

* Case : SMA (DO-214AC) Molded plastic
* Epoxy : UL94V-0 rate flame retardant
* Lead : Lead formed for Surface mount
* Polarity : Color band denotes cathode end
* Mounting position : Any
* Weight : 0.064 grams

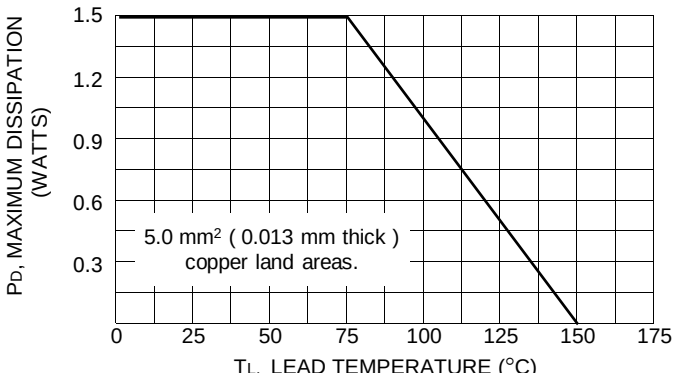
MAXIMUM RATINGS

Rating at 25 °C ambient temperature unless otherwise specified

Rating	Symbol	Value	Unit
DC Power Dissipation at T_L = 75 °C (Note1)	P_D	1.5	W
Maximum Forward Voltage at I_F = 200 mA	V_F	1.5	V
Junction Temperature Range	T_J	- 55 to + 150	°C
Storage Temperature Range	Ts	- 55 to + 150	°C

Note : (1) T_L = Lead temperature at 5.0 mm^2 (0.013 mm thick) copper land areas.

Fig. 1 POWER TEMPERATURE DERATING CURVE



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

TYPE	Nominal Zener Voltage		Maximum Zener Impedance			Maximum Reverse Leakage Current		Maximum DC Zener Current
	V_Z @ I_{ZT}	I_{ZT}	Z_{ZT} @ I_{ZT}	Z_{ZK} @ I_{ZK}	I_{ZK}	I_R @ V_R		I_{ZM}
	(V)	(mA)	(Ω)	(Ω)	(mA)	(μA)	(V)	(mA)
SZ353D	3.3	113.6	10	500	1.0	100	1.0	454
SZ353G	3.6	104.2	9.0	500	1.0	75	1.0	416
SZ353J	3.9	96.1	7.5	500	1.0	25	1.0	384
SZ354D	4.3	87.2	6.0	500	1.0	5.0	1.0	348
SZ354H	4.7	79.8	5.0	500	1.0	5.0	1.5	319
SZ355B	5.1	73.5	4.0	400	1.0	5.0	2.0	294
SZ355G	5.6	66.9	2.0	300	1.0	5.0	3.0	267
SZ356C	6.2	60.5	2.0	200	1.0	5.0	4.0	241
SZ356I	6.8	55.1	2.5	200	1.0	5.0	5.2	220
SZ357F	7.5	50.0	3.0	400	0.5	5.0	6.0	200
SZ358C	8.2	45.7	3.5	400	0.5	5.0	6.5	182
SZ359B	9.1	41.2	4.0	500	0.5	5.0	7.0	164
SZ3510	10	37.5	4.5	500	0.25	5.0	8.0	150
SZ3511	11	34.1	5.5	550	0.25	1.0	8.4	136
SZ3512	12	31.2	6.5	550	0.25	1.0	9.1	125
SZ3513	13	28.8	7.0	550	0.25	1.0	9.9	115
SZ3515	15	25.0	9.0	600	0.25	1.0	11.4	100
SZ3516	16	23.4	10	600	0.25	1.0	12.2	93
SZ3518	18	20.8	12	650	0.25	1.0	13.7	83
SZ3520	20	18.7	14	650	0.25	1.0	15.2	75
SZ3522	22	17.0	17.5	650	0.25	1.0	16.7	68
SZ3524	24	15.6	19	700	0.25	1.0	18.2	62
SZ3527	27	13.9	23	700	0.25	1.0	20.6	55
SZ3530	30	12.5	26	750	0.25	1.0	22.8	50
SZ3533	33	11.4	33	800	0.25	1.0	25.1	45
SZ3536	36	10.4	38	850	0.25	1.0	27.4	41
SZ3539	39	9.6	45	900	0.25	1.0	29.7	38
SZ3543	43	8.7	53	950	0.25	1.0	32.7	34
SZ3547	47	8.0	67	1000	0.25	1.0	35.8	31
SZ3551	51	7.3	70	1100	0.25	1.0	38.8	29
SZ3556	56	6.7	86	1300	0.25	1.0	42.6	26
SZ3562	62	6.0	100	1500	0.25	1.0	47.1	24
SZ3568	68	5.5	120	1700	0.25	1.0	51.7	22
SZ3575	75	5.0	140	2000	0.25	1.0	56.0	20
SZ3582	82	4.6	160	2500	0.25	1.0	62.2	18
SZ3591	91	4.1	200	3000	0.25	1.0	69.2	16
SZ35B0	100	3.7	250	3100	0.25	1.0	76.0	15
SZ35B1	110	3.4	300	4000	0.25	1.0	83.6	13
SZ35B2	120	3.1	380	4500	0.25	1.0	91.2	12
SZ35B3	130	2.9	450	5000	0.25	1.0	98.8	11
SZ35B5	150	2.5	600	6000	0.25	1.0	114.0	10
SZ35B6	160	2.3	700	6500	0.25	1.0	121.6	9.0
SZ35B8	180	2.1	900	7000	0.25	1.0	136.8	8.0
SZ35D0	200	1.9	1900	9990	0.25	1.0	152.0	7.0

Notes :

(1) The type number listed have a standard tolerance on the nominal zener voltage of ± 5%, altered the fourth number of type from " 5 " for ± 5% tolerance to be " 0 " for ± 10% tolerance.

(2) " SZ " will be omitted in marking on the diode.

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