

ZENER DIODES

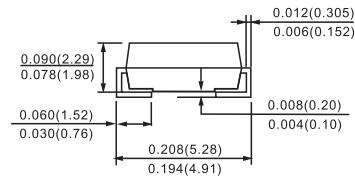
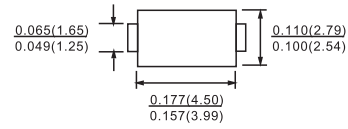
FEATURES :

- * Complete voltage range 3.3 to 100 volts
- * High peak reverse power dissipation
- * High reliability
- * Low leakage current
- * Standard zener voltage tolerance is $\pm 5\%$.

MECHANICAL DATA

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

DO-214AC(SMA)



Dimensions in inches and (millimeters)

MAXIMUM RATINGS

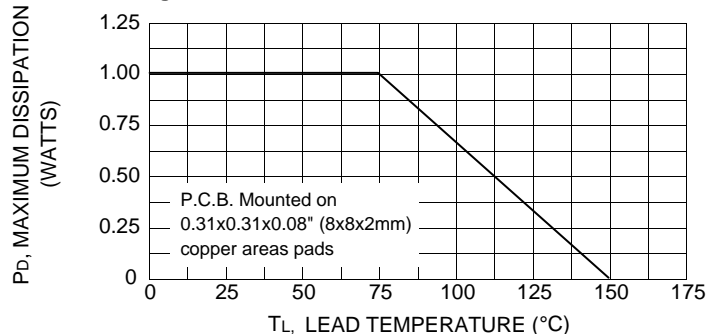
Rating at 25°C ambient temperature unless otherwise specified

Rating	Symbol	Value	Unit
DC Power Dissipation at $T_L = 75^\circ\text{C}$ (Note1)	P_D	1.0	W
Maximum Forward Voltage at $I_F = 200\text{ mA}$	V_F	1.2	V
Junction Temperature Range	T_J	- 55 to + 150	$^\circ\text{C}$
Storage Temperature Range	T_S	- 55 to + 150	$^\circ\text{C}$

Note :

- (1) P.C.B. Mounted on 0.31x0.31x0.08" (8x8x2mm) copper areas pad

Fig. 1 MAXIMUM CONTINUOUS POWER DERATING



1SMA4728A-1SMA4764A
1000mW

ZENER DIODES

TYPE 型号	Zener voltage 齐纳电压		Dynamic resistance 动态阻抗			Maximum reverse current 最大反向电流 T _A =25°C		Maximum regulator current 最大稳压电流	Power dissipation 耗散功率	Package 封装形式
	V _{Z@I_{ZT}}	I _{ZT}	Z _{ZT@I_{ZT}}	Z _{ZK@I_{ZK}}	I _{ZK}	I _{R@V_R}		I _{ZM}	P _d	
	V	mA	Ω	Ω	mA	μA	V	mA	mW	
1SMA4728A	3.3	76	10	400	1.0	100	1.0	276	1000	SMA
1SMA4729A	3.6	69	10	400	1.0	100	1.0	252	1000	SMA
1SMA4730A	3.9	64	9	400	1.0	50	1.0	234	1000	SMA
1SMA4731A	4.3	58	9	400	1.0	10	1.0	217	1000	SMA
1SMA4732A	4.7	53	8	500	1.0	10	1.0	193	1000	SMA
1SMA4733A	5.1	49	7	550	1.0	10	1.0	178	1000	SMA
1SMA4734A	5.6	45	5	600	1.0	10	2.0	162	1000	SMA
1SMA4735A	6.2	41	2	700	1.0	10	3.0	146	1000	SMA
1SMA4736A	6.8	37	3.5	700	1.0	10	4.0	133	1000	SMA
1SMA4737A	7.5	34	4	700	0.5	10	5.0	121	1000	SMA
1SMA4738A	8.2	31	4.5	700	0.5	10	6.0	110	1000	SMA
1SMA4739A	9.1	28	5	700	0.5	10	7.0	100	1000	SMA
1SMA4740A	10	25	7	700	0.25	10	7.6	91	1000	SMA
1SMA4741A	11	23	8	700	0.25	5	8.4	83	1000	SMA
1SMA4742A	12	21	9	700	0.25	5	9.1	76	1000	SMA
1SMA4743A	13	19	10	700	0.25	5	9.9	69	1000	SMA
1SMA4744A	15	17	14	700	0.25	5	11.4	61	1000	SMA
1SMA4745A	16	15.5	16	700	0.25	5	12.4	57	1000	SMA
1SMA4746A	18	14	20	750	0.25	5	13.7	50	1000	SMA
1SMA4747A	20	12.5	22	750	0.25	5	15.2	45	1000	SMA
1SMA4748A	22	11.5	23	750	0.25	5	16.7	41	1000	SMA
1SMA4749A	24	10.5	25	750	0.25	5	18.2	38	1000	SMA
1SMA4750A	27	9.5	35	750	0.25	5	20.6	34	1000	SMA
1SMA4751A	30	8.5	40	1000	0.25	5	22.8	30	1000	SMA
1SMA4752A	33	7.5	45	1000	0.25	5	25.1	27	1000	SMA
1SMA4753A	36	7	50	1000	0.25	5	27.4	25	1000	SMA
1SMA4754A	39	6.5	60	1000	0.25	5	29.7	23	1000	SMA
1SMA4755A	43	6	70	1500	0.25	5	32.7	22	1000	SMA
1SMA4756A	47	5.5	80	1500	0.25	5	35.8	19	1000	SMA
1SMA4757A	51	5	95	1500	0.25	5	38.8	18	1000	SMA
1SMA4758A	56	4.5	110	2000	0.25	5	42.6	16	1000	SMA
1SMA4759A	62	4	125	2000	0.25	5	47.1	14	1000	SMA
1SMA4760A	68	3.7	150	2000	0.25	5	51.7	13	1000	SMA
1SMA4761A	75	3.3	175	2000	0.25	5	56	12	1000	SMA
1SMA4762A	82	3	200	3000	0.25	5	62.2	11	1000	SMA
1SMA4763A	91	2.8	250	3000	0.25	5	69.2	10	1000	SMA
1SMA4764A	100	2.5	350	3000	0.25	5	76	9	1000	SMA