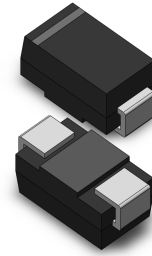


VOLTAGE RANGE: 3.3V - 300V
POWER: 1.0Watts

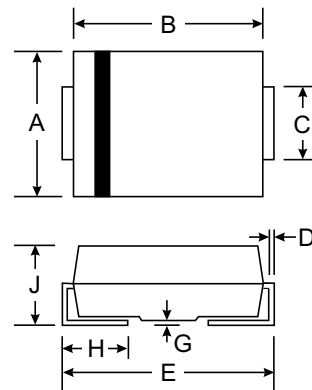
Features

- Complete voltage range 3.3 to 300 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 grams (approx.)



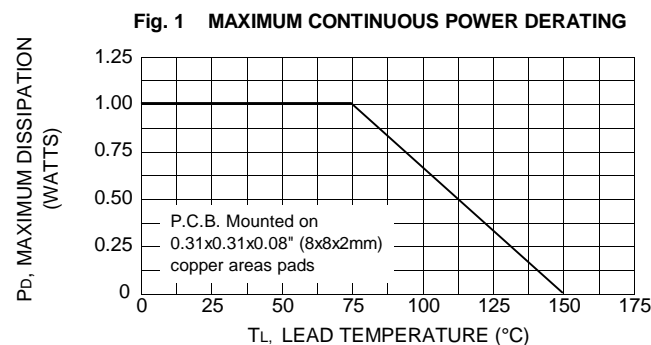
SMA(DO-214AC)		
Dim	Min	Max
A	2.29	2.92
B	4.00	4.60
C	1.27	1.63
D	0.15	0.31
E	4.80	5.59
G	0.10	0.20
H	0.76	1.52
J	2.01	2.62
All Dimensions in mm		

Maximum Ratings $T_A = 25^\circ\text{C}$ 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 pads.





ELECTRICAL CHARACTERISTICS (Ta = 25 °C unless otherwise specified)

Type	Nominal Zener Voltage		Maximum Zener Impedance			Maximum Reverse Leakage Current		Maximum DC Zener Current	Maximum Surge Current
	Vz ⁽¹⁾ @ IzT	IzT	ZzT @ IzT	Zzk @ Izk	Izk	IR @ VR		IzM	IRM ⁽²⁾
	(V)	(mA)	(Ω)	(Ω)	(mA)	(μA)	(V)	(mA)	(mApk)
Z1SMA3V3	3.3	76.0	10	400	1.0	100	1.0	276	1380
Z1SMA3V6	3.6	69.0	10	400	1.0	100	1.0	252	1260
Z1SMA3V9	3.9	64.0	9.0	400	1.0	50	1.0	234	1190
Z1SMA4V3	4.3	58.0	9.0	400	1.0	10	1.0	217	1070
Z1SMA4V7	4.7	53.0	8.0	500	1.0	10	1.0	193	970
Z1SMA5V1	5.1	49.0	7.0	550	1.0	10	1.0	178	890
Z1SMA5V6	5.6	45.0	5.0	600	1.0	10	2.0	162	810
Z1SMA6V2	6.2	41.0	2.0	700	1.0	10	3.0	146	730
Z1SMA6V8	6.8	37.0	3.5	700	1.0	10	4.0	133	660
Z1SMA7V5	7.5	34.0	4.0	700	0.5	10	5.0	121	605
Z1SMA8V2	8.2	31.0	4.5	700	0.5	10	6.0	110	550
Z1SMA9V1	9.1	28.0	5.0	700	0.5	10	7.0	100	500
Z1SMA10	10	25.0	7.0	700	0.25	10	7.6	91	454
Z1SMA11	11	23.0	8.0	700	0.25	5.0	8.4	83	414
Z1SMA12	12	21.0	9.0	700	0.25	5.0	9.1	76	380
Z1SMA13	13	19.0	10	700	0.25	5.0	9.9	69	344
Z1SMA15	15	17.0	14	700	0.25	5.0	11.4	61	305
Z1SMA16	16	15.5	16	700	0.25	5.0	12.2	57	285
Z1SMA18	18	14.0	20	750	0.25	5.0	13.7	50	250
Z1SMA20	20	12.5	22	750	0.25	5.0	15.2	45	225
Z1SMA22	22	11.5	23	750	0.25	5.0	16.7	41	205
Z1SMA24	24	10.5	25	750	0.25	5.0	18.2	38	190
Z1SMA27	27	9.5	35	750	0.25	5.0	20.6	34	170
Z1SMA30	30	8.5	40	1000	0.25	5.0	22.8	30	150
Z1SMA33	33	7.5	45	1000	0.25	5.0	25.1	27	135
Z1SMA36	36	7.0	50	1000	0.25	5.0	27.4	25	125
Z1SMA39	39	6.5	60	1000	0.25	5.0	29.7	23	115
Z1SMA43	43	6.0	70	1500	0.25	5.0	32.7	22	110
Z1SMA47	47	5.5	80	1500	0.25	5.0	35.8	19	95
Z1SMA51	51	5.0	95	1500	0.25	5.0	38.8	18	90
Z1SMA56	56	4.5	110	2000	0.25	5.0	42.6	16	80
Z1SMA62	62	4.0	125	2000	0.25	5.0	47.1	14	70
Z1SMA68	68	3.7	150	2000	0.25	5.0	51.7	13	65
Z1SMA75	75	3.3	175	2000	0.25	5.0	56.0	12	60
Z1SMA82	82	3.0	200	3000	0.25	5.0	62.2	11	55
Z1SMA91	91	2.8	250	3000	0.25	5.0	69.2	10	50
Z1SMA100	100	2.5	350	3000	0.25	5.0	76.0	9.0	45
Z1SMA110	110	2.3	450	4000	0.25	5.0	83.6	8.6	40
Z1SMA120	120	2.0	550	4500	0.25	5.0	91.2	7.8	37
Z1SMA130	130	1.9	700	5000	0.25	5.0	98.8	7.0	34
Z1SMA150	150	1.7	1000	6000	0.25	5.0	114.0	6.4	30
Z1SMA160	160	1.6	1100	6500	0.25	5.0	121.6	5.8	28
Z1SMA180	180	1.4	1200	7000	0.25	5.0	136.8	5.2	25
Z1SMA200	200	1.2	1900	9990	0.25	5.0	152.0	4.7	22
Z1SMA220	220	1.0	1600	8000	0.25	5.0	167.2	4.0	20
Z1SMA240	240	0.93	1800	8500	0.25	5.0	182.4	3.8	18.5
Z1SMA250	250	0.90	2000	9000	0.25	5.0	190	3.6	18
Z1SMA270	270	0.82	2100	9000	0.25	5.0	205	3.3	16.5
Z1SMA300	300	0.75	2300	9500	0.25	5.0	228	3.0	15

单击下面可查看定价，库存，交付和生命周期等信息

[>>SUNMATE\(森美特\)](#)