

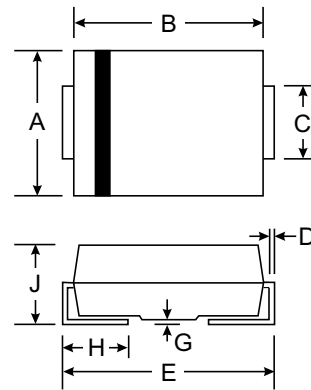
VOLTAGE RANGE: 3.6 - 200V
POWER: 2.0Watts

Features

- Complete Voltage Range 3.6 to 200 Volts
- High peak reverse power dissipation
- High reliability
- Low leakage current

Mechanical Data

- Case: SMA/DO-214AC, Molded Plastic
- Terminals: Solder Plated, Solderable per MIL-STD-750, Method 2026
- Polarity: Cathode Band or Cathode Notch
- Marking: Type Number
- 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	2.0	Watts
Maximum Forward Voltage at $I_F = 200\text{ mA}$	V_F	1.2	Volts
Maximum Thermal Resistance Junction to Ambient Air (Note2)	$R_{\theta JA}$	60	K / W
Junction Temperature Range	T_J	- 55 to + 175	$^\circ\text{C}$
Storage Temperature Range	T_s	- 55 to + 175	$^\circ\text{C}$

Note :

- (1) T_L = Lead temperature at 3/8 " (9.5mm) from body
- (2) Valid provided that leads are kept at ambient temperature at a distance of 10 mm from case.



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
	Vz @ IzT	IzT	ZzT @ IzT	Zzk @ IzK	IzK	IR @ VR		IzM
	(V)	(mA)	(Ω)	(Ω)	(mA)	(μA)	(V)	(mA)
Z2SMA3V6	3.6	139	5.0	400	1.0	80	1.0	504
Z2SMA3V9	3.9	128	5.0	400	1.0	30	1.0	468
Z2SMA4V3	4.3	116	4.5	400	1.0	20	1.0	434
Z2SMA4V7	4.7	106	4.5	550	1.0	5.0	1.0	386
Z2SMA5V1	5.1	98.0	3.5	600	1.0	5.0	1.0	356
Z2SMA5V6	5.6	89.5	2.5	500	1.0	5.0	2.0	324
Z2SMA6V2	6.2	80.5	1.5	700	1.0	5.0	3.0	292
Z2SMA6V8	6.8	73.5	2.0	700	1.0	5.0	4.0	266
Z2SMA7V5	7.5	66.5	2.0	700	0.5	50	5.0	242
Z2SMA8V2	8.2	61.0	2.3	700	0.5	50	6.0	220
Z2SMA9V1	9.1	55.0	2.5	700	0.5	50	7.0	200
Z2SMA10	10	50.0	3.5	700	0.25	50	7.6	182
Z2SMA11	11	45.5	4.0	700	0.25	50	8.4	166
Z2SMA12	12	41.5	4.5	700	0.25	1.0	9.1	152
Z2SMA13	13	38.5	5.0	700	0.25	0.5	9.9	138
Z2SMA14	14	35.7	5.5	700	0.25	0.5	10.6	130
Z2SMA15	15	33.4	7.0	700	0.25	0.5	11.4	122
Z2SMA16	16	31.2	8.0	700	0.25	0.5	12.2	114
Z2SMA17	17	29.4	9.0	750	0.25	0.5	13.0	107
Z2SMA18	18	27.8	10	750	0.25	0.5	13.7	100
Z2SMA19	19	26.3	11	750	0.25	0.5	14.4	95
Z2SMA20	20	25.0	11	750	0.25	0.5	15.2	90
Z2SMA22	22	22.8	12	750	0.25	0.5	16.7	82
Z2SMA24	24	20.8	13	750	0.25	0.5	18.2	76
Z2SMA27	27	18.5	18	750	0.25	0.5	20.6	68
Z2SMA30	30	16.6	20	1000	0.25	0.5	22.5	60
Z2SMA33	33	15.1	23	1000	0.25	0.5	25.1	55
Z2SMA36	36	13.9	25	1000	0.25	0.5	27.4	50
Z2SMA39	39	12.8	30	1000	0.25	0.5	29.7	47
Z2SMA43	43	11.6	35	1500	0.25	0.5	32.7	43
Z2SMA47	47	10.6	40	1500	0.25	0.5	35.8	39
Z2SMA51	51	9.8	48	1500	0.25	0.5	38.8	36
Z2SMA56	56	9.0	55	2000	0.25	0.5	42.6	32
Z2SMA62	62	8.1	60	2000	0.25	0.5	47.1	29
Z2SMA68	68	7.4	75	2000	0.25	0.5	51.7	27
Z2SMA75	75	6.7	90	2000	0.25	0.5	56.0	24
Z2SMA82	82	6.1	100	3000	0.25	0.5	62.2	22
Z2SMA91	91	5.5	125	3000	0.25	0.5	69.2	20
Z2SMA100	100	5.0	175	3000	0.25	0.5	76.0	18
Z2SMA110	110	4.5	250	4000	0.25	0.5	83.6	17
Z2SMA120	120	4.2	325	4500	0.25	0.5	91.2	15
Z2SMA130	130	3.8	400	5000	0.25	0.5	98.8	14
Z2SMA140	140	3.6	500	5500	0.25	0.5	106.4	13
Z2SMA150	150	3.3	575	6000	0.25	0.5	114.0	12
Z2SMA160	160	3.1	650	6500	0.25	0.5	121.6	11
Z2SMA170	170	2.9	675	7000	0.25	0.5	130.4	11
Z2SMA180	180	2.8	725	7000	0.25	0.5	136.8	10
Z2SMA190	190	2.6	825	8000	0.25	0.5	144.8	10
Z2SMA200	200	2.5	900	8000	0.25	0.5	152.0	9.0

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