

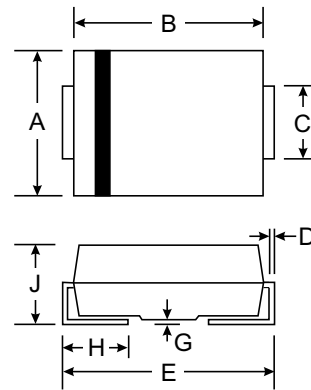
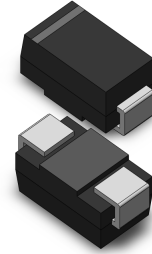
VOLTAGE RANGE: 3.6 - 200V
POWER: 2.0Watts

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)
SMA2EZ3V6D5	3.6	139	5.0	400	1.0	80	1.0	504
SMA2EZ3V9D5	3.9	128	5.0	400	1.0	30	1.0	468
SMA2EZ4V3D5	4.3	116	4.5	400	1.0	20	1.0	434
SMA2EZ4V7D5	4.7	106	4.5	550	1.0	5.0	1.0	386
SMA2EZ5V1D5	5.1	98.0	3.5	600	1.0	5.0	1.0	356
SMA2EZ5V6D5	5.6	89.5	2.5	500	1.0	5.0	2.0	324
SMA2EZ6V2D5	6.2	80.5	1.5	700	1.0	5.0	3.0	292
SMA2EZ6V8D5	6.8	73.5	2.0	700	1.0	5.0	4.0	266
SMA2EZ7V5D5	7.5	66.5	2.0	700	0.5	50	5.0	242
SMA2EZ8V2D5	8.2	61.0	2.3	700	0.5	50	6.0	220
SMA2EZ9V1D5	9.1	55.0	2.5	700	0.5	50	7.0	200
SMA2EZ10D5	10	50.0	3.5	700	0.25	50	7.6	182
SMA2EZ11D5	11	45.5	4.0	700	0.25	50	8.4	166
SMA2EZ12D5	12	41.5	4.5	700	0.25	1.0	9.1	152
SMA2EZ13D5	13	38.5	5.0	700	0.25	0.5	9.9	138
SMA2EZ14D5	14	35.7	5.5	700	0.25	0.5	10.6	130
SMA2EZ15D5	15	33.4	7.0	700	0.25	0.5	11.4	122
SMA2EZ16D5	16	31.2	8.0	700	0.25	0.5	12.2	114
SMA2EZ17D5	17	29.4	9.0	750	0.25	0.5	13.0	107
SMA2EZ18D5	18	27.8	10	750	0.25	0.5	13.7	100
SMA2EZ19D5	19	26.3	11	750	0.25	0.5	14.4	95
SMA2EZ20D5	20	25.0	11	750	0.25	0.5	15.2	90
SMA2EZ22D5	22	22.8	12	750	0.25	0.5	16.7	82
SMA2EZ24D5	24	20.8	13	750	0.25	0.5	18.2	76
SMA2EZ27D5	27	18.5	18	750	0.25	0.5	20.6	68
SMA2EZ30D5	30	16.6	20	1000	0.25	0.5	22.5	60
SMA2EZ33D5	33	15.1	23	1000	0.25	0.5	25.1	55
SMA2EZ36D5	36	13.9	25	1000	0.25	0.5	27.4	50
SMA2EZ39D5	39	12.8	30	1000	0.25	0.5	29.7	47
SMA2EZ43D5	43	11.6	35	1500	0.25	0.5	32.7	43
SMA2EZ47D5	47	10.6	40	1500	0.25	0.5	35.8	39
SMA2EZ51D5	51	9.8	48	1500	0.25	0.5	38.8	36
SMA2EZ56D5	56	9.0	55	2000	0.25	0.5	42.6	32
SMA2EZ62D5	62	8.1	60	2000	0.25	0.5	47.1	29
SMA2EZ68D5	68	7.4	75	2000	0.25	0.5	51.7	27
SMA2EZ75D5	75	6.7	90	2000	0.25	0.5	56.0	24
SMA2EZ82D5	82	6.1	100	3000	0.25	0.5	62.2	22
SMA2EZ91D5	91	5.5	125	3000	0.25	0.5	69.2	20
SMA2EZ100D5	100	5.0	175	3000	0.25	0.5	76.0	18
SMA2EZ110D5	110	4.5	250	4000	0.25	0.5	83.6	17
SMA2EZ120D5	120	4.2	325	4500	0.25	0.5	91.2	15
SMA2EZ130D5	130	3.8	400	5000	0.25	0.5	98.8	14
SMA2EZ140D5	140	3.6	500	5500	0.25	0.5	106.4	13
SMA2EZ150D5	150	3.3	575	6000	0.25	0.5	114.0	12
SMA2EZ160D5	160	3.1	650	6500	0.25	0.5	121.6	11
SMA2EZ170D5	170	2.9	675	7000	0.25	0.5	130.4	11
SMA2EZ180D5	180	2.8	725	7000	0.25	0.5	136.8	10
SMA2EZ190D5	190	2.6	825	8000	0.25	0.5	144.8	10
SMA2EZ200D5	200	2.5	900	8000	0.25	0.5	152.0	9.0