

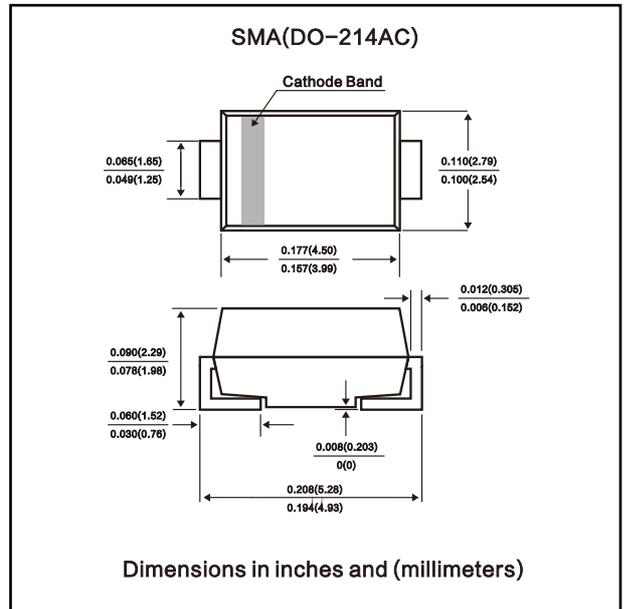
Glass Passivated Junction Rectifier

FEATURES

- * Complete Voltage Range 3.3 to 270 Volts
- * High peak reverse power dissipation
- * High reliability
- * Low leakage current

MECHANICAL DATA

- * Case : SMA Molded plastic
- * Epoxy : UL94V-O rate flame retardant
- * Lead : Axial lead solderable per MIL-STD-202, method 208 guaranteed
- * Polarity : Color band denotes cathode end
- * Mounting position : Any
- * Weight : 0.339 gram



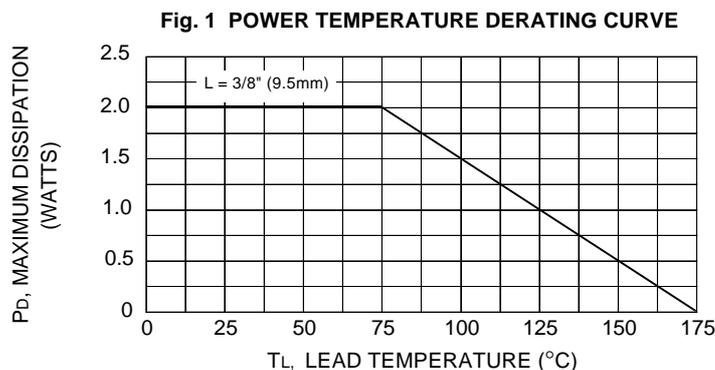
MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating at 25 °C ambient temperature unless otherwise specified

Rating	Symbol	Value	Unit
DC Power Dissipation at $T_L = 75\text{ °C}$ (Note1)	P_D	3.0	W
Maximum Forward Voltage at $I_F = 200\text{ mA}$	V_F	1.2	V
Junction Temperature Range	T_J	- 55 to + 175	°C
Storage Temperature Range	T_s	- 55 to + 175	°C

Note :

(1) T_L = Lead temperature at 3/8 " (9.5mm) from body



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)
SMA3EZ3.9D5	3.9	192	4.5	400	1.0	80	1.0	630
SMA3EZ4.3D5	4.3	174	4.5	400	1.0	30	1.0	590
SMA3EZ4.7D5	4.7	160	4.0	500	1.0	20	1.0	550
SMA3EZ5.1D5	5.1	147	3.5	550	1.0	5.0	1.0	520
SMA3EZ5.6D5	5.6	134	2.5	600	1.0	5.0	2.0	480
SMA3EZ6.2D5	6.2	121	1.5	700	1.0	5.0	3.0	435
SMA3EZ6.8D5	6.8	110	2.0	700	1.0	50	4.0	393
SMA3EZ7.5D5	7.5	100	2.0	700	0.5	50	5.0	360
SMA3EZ8.2D5	8.2	91	2.3	700	0.5	50	6.0	330
SMA3EZ9.1D5	9.1	82	2.5	700	0.5	50	7.0	297
SMA3EZ10D5	10	75	3.5	700	0.3	50	7.6	270
SMA3EZ11D5	11	68	4.0	700	0.25	50	8.4	225
SMA3EZ12D5	12	63	4.5	700	0.25	1.0	9.1	246
SMA3EZ13D5	13	58	4.5	700	0.25	0.5	9.1	208
SMA3EZ14D5	14	53	5.0	700	0.25	0.5	10.6	193
SMA3EZ15D5	15	50	5.5	700	0.25	0.5	11.4	180
SMA3EZ16D5	16	47	5.5	700	0.25	0.5	12.2	169
SMA3EZ17D5	17	44	6.0	750	0.25	0.5	13.0	159
SMA3EZ18D5	18	42	6.0	750	0.25	0.5	13.7	150
SMA3EZ19D5	19	40	7.0	750	0.25	0.5	14.4	142
SMA3EZ20D5	20	37	7.0	750	0.25	0.5	15.2	135
SMA3EZ22D5	22	34	8.0	750	0.25	0.5	16.7	123
SMA3EZ24D5	24	31	9.0	750	0.25	0.5	18.2	112
SMA3EZ27D5	27	28	10	750	0.25	0.5	20.6	100
SMA3EZ28D5	28	27	12	750	0.25	0.5	21.0	96
SMA3EZ30D5	30	25	16	1000	0.25	0.5	22.5	90
SMA3EZ33D5	33	23	20	1000	0.25	0.5	25.1	82
SMA3EZ36D5	36	21	22	1000	0.25	0.5	27.4	75
SMA3EZ39D5	39	19	28	1000	0.25	0.5	29.7	69
SMA3EZ43D5	43	17	33	1500	0.25	0.5	32.7	63
SMA3EZ47D5	47	16	38	1500	0.25	0.5	35.6	57
SMA3EZ51D5	51	15	45	1500	0.25	0.5	38.8	53
SMA3EZ56D5	56	13	50	2000	0.25	0.5	42.6	48
SMA3EZ62D5	62	12	55	2000	0.25	0.5	47.1	44
SMA3EZ68D5	68	11	70	2000	0.25	0.5	51.7	40
SMA3EZ75D5	75	10	85	2000	0.25	0.5	56.0	36
SMA3EZ82D5	82	9.1	95	3000	0.25	0.5	62.2	33
SMA3EZ91D5	91	8.2	115	3000	0.25	0.5	69.2	30
SMA3EZ100D5	100	7.5	160	3000	0.25	0.5	76.0	27
SMA3EZ110D5	110	6.8	225	4000	0.25	0.5	83.6	25
SMA3EZ120D5	120	6.3	300	4500	0.25	0.5	91.2	22
SMA3EZ130D5	130	5.8	375	5000	0.25	0.5	98.8	21
SMA3EZ140D5	140	5.3	475	5000	0.25	0.5	106.4	19
SMA3EZ150D5	150	5.0	550	6000	0.25	0.5	114.0	18
SMA3EZ160D5	160	4.7	625	6500	0.25	0.5	121.6	17
SMA3EZ170D5	170	4.4	650	7000	0.25	0.5	130.4	16
SMA3EZ180D5	180	4.2	700	7000	0.25	0.5	136.8	15
SMA3EZ190D5	190	4.0	800	8000	0.25	0.5	144.8	14
SMA3EZ200D5	200	3.7	875	8000	0.25	0.5	152.0	13
SMA3EZ220D5	220	3.4	1600	9000	0.25	1	167.0	12
SMA3EZ240D5	240	3.1	1700	9000	0.25	1	182.0	11
SMA3EZ270D5	270	2.8	1800	9000	0.25	1	205.0	10