



ELECTRICAL CHARACTERISTICS ($T_{amb} = 25\text{ }^{\circ}\text{C}$, unless otherwise specified)										
PART NUMBER	ZENER VOLTAGE RANGE	TEST CURRENT	STAND OFF VOLTAGE		BREAKDOWN VOLTAGE	CLAMPING VOLTAGE ⁽¹⁾		TEMPERATURE COEFFICIENT		JUNCTION CAPACITANCE
	V_Z at I_{ZT1}	I_{ZT1}	V_R at I_R		$V_{(BR)}$ at I_{ZT1}	$V_{CL(R)}$ at I_{PP}	I_{PP}	TK_{VZ} at I_{ZT1}		C_j at $V_R = 0\text{ V}$, $f = 1\text{ MHz}$
	V	mA	V	μA	V	V	A	% / K		pF
	NOM.			MAX.	MIN.	MIN.		TYP.	MAX.	TYP.
BZG04-8V2	10	50	8.2	20	9.4	14.8	20.3	0.05	0.09	1200
BZG04-9V1	11	50	9.1	5	10.4	15.7	19.1	0.05	0.1	1100
BZG04-10	12	50	10	5	11.4	17	17.7	0.05	0.1	1000
BZG04-11	13	50	11	5	12.4	18.9	15.9	0.05	0.1	850
BZG04-12	15	50	12	5	13.8	20.9	14.4	0.05	0.1	815
BZG04-13	16	25	13	5	15.3	22.9	13.1	0.06	0.11	785
BZG04-15	18	25	15	5	16.8	25.6	11.7	0.06	0.11	710
BZG04-16	20	25	16	5	18.8	28.4	10.6	0.06	0.11	655
BZG04-18	22	25	18	5	20.8	31	9.7	0.06	0.11	610
BZG04-20	24	25	20	5	22.8	33.8	8.9	0.06	0.11	570
BZG04-22	27	25	22	5	25.1	38.1	7.9	0.06	0.11	545
BZG04-24	30	25	24	5	28	42.2	7.1	0.06	0.11	505
BZG04-27	33	25	27	5	31	46.2	6.5	0.06	0.11	475
BZG04-30	36	10	30	5	34	50.1	6	0.06	0.11	450
BZG04-33	39	10	33	5	37	54.1	5.5	0.06	0.11	420
BZG04-36	43	10	36	5	40	60.7	4.9	0.07	0.12	390
BZG04-39	47	10	39	5	44	65.5	4.6	0.07	0.12	370
BZG04-43	51	10	43	5	48	70.8	4.2	0.07	0.12	350
BZG04-47	56	10	47	5	52	78.6	3.8	0.07	0.12	330
BZG04-51	62	10	51	5	58	86.5	3.5	0.08	0.13	310
BZG04-56	68	10	56	5	64	94.4	3.2	0.08	0.13	291
BZG04-62	75	10	62	5	70	103.5	2.9	0.08	0.13	280
BZG04-68	82	10	68	5	77	114	2.6	0.08	0.13	275
BZG04-75	91	5	75	5	85	126	2.4	0.09	0.13	260
BZG04-82	100	5	82	5	94	139	2.2	0.09	0.13	250
BZG04-91	110	5	91	5	104	152	2	0.09	0.13	243
BZG04-100	120	5	100	5	114	167	1.8	0.09	0.13	170
BZG04-110	130	5	110	5	124	185	1.6	0.09	0.13	153
BZG04-120	150	5	120	5	138	204	1.5	0.09	0.13	150
BZG04-130	160	5	130	5	153	224	1.3	0.09	0.13	145
BZG04-150	180	5	150	5	168	249	1.2	0.09	0.13	140
BZG04-160	200	5	160	5	188	276	1.1	0.09	0.13	135
BZG04-180	220	2	180	5	208	305	1	0.09	0.13	131
BZG04-200	240	2	200	5	228	336	0.9	0.09	0.13	122
BZG04-220	270	2	220	5	251	380	0.8	0.09	0.13	120

Note⁽¹⁾ 10/1000 μs pulse

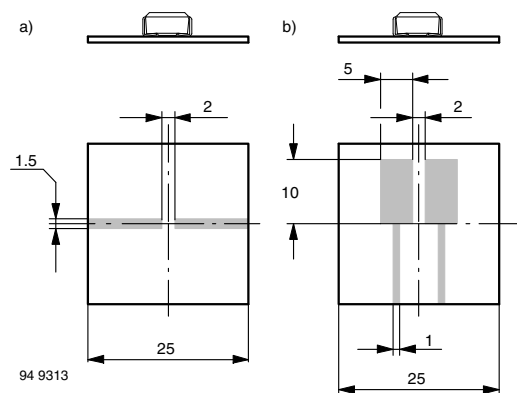
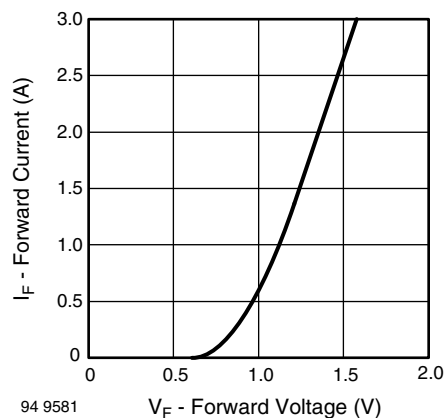
BASIC CHARACTERISTICS ($T_{amb} = 25\text{ }^{\circ}\text{C}$, unless otherwise specified)

Fig. 1 - Boards for R_{thJA} Definition (Copper Overlay $35\text{ }\mu$)


Fig. 3 - Forward Current vs. Forward Voltage

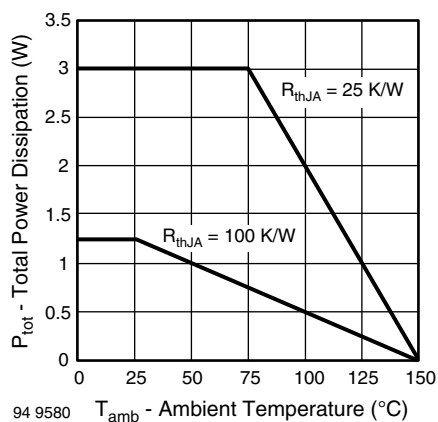


Fig. 2 - Typ. Total Power Dissipation vs. Ambient Temperature

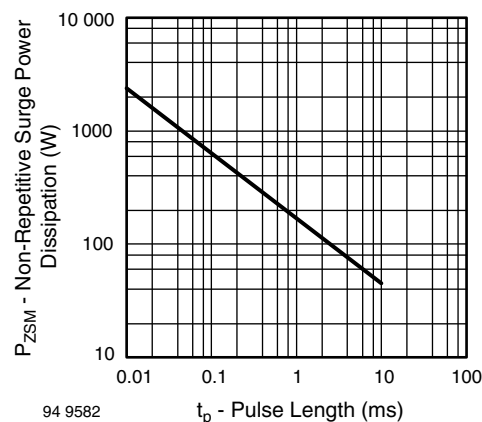


Fig. 4 - Non Repetitive Surge Power Dissipation vs. Pulse Length

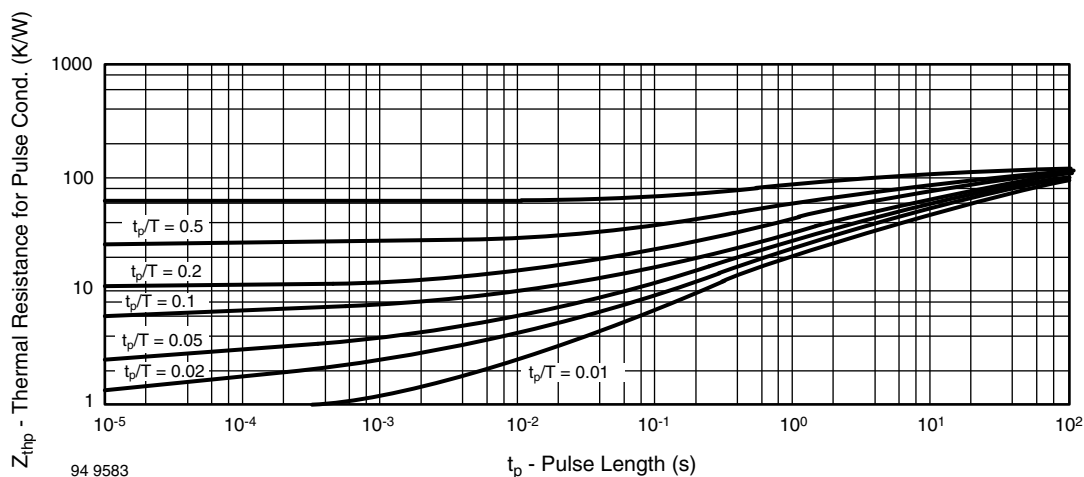
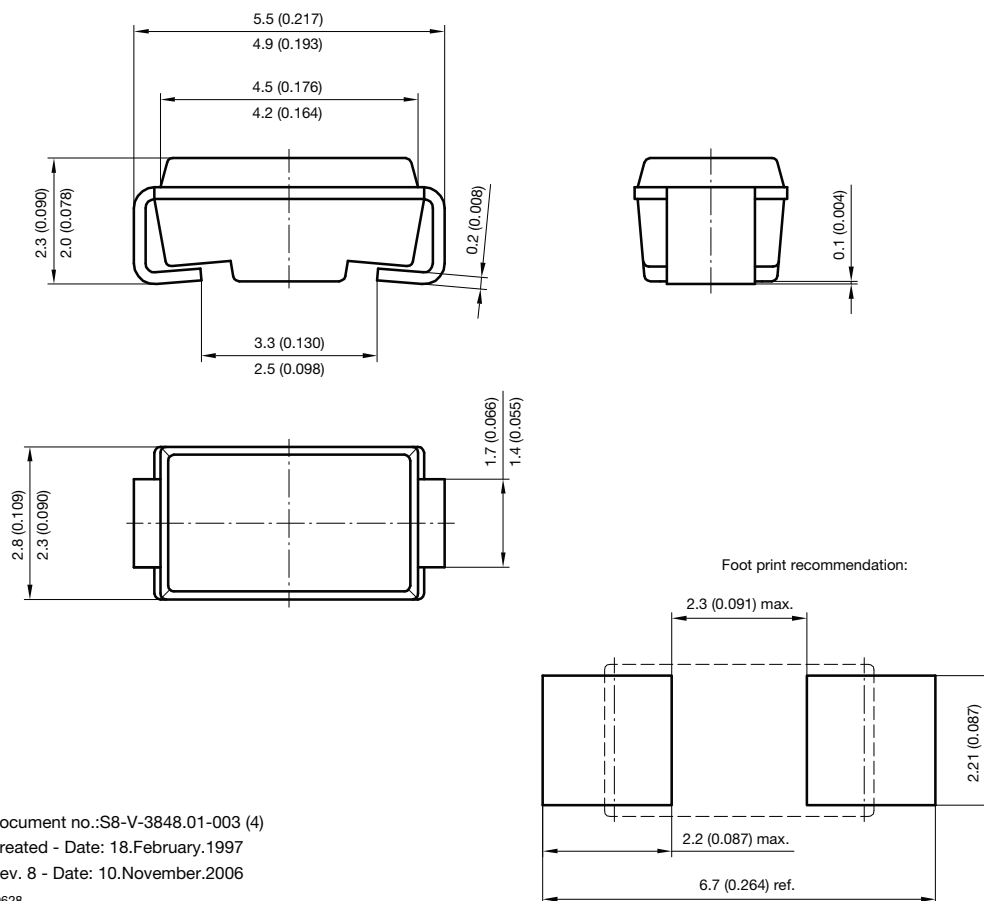


Fig. 5 - Thermal Response



PACKAGE DIMENSIONS in millimeters (inches): **DO-214AC**



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