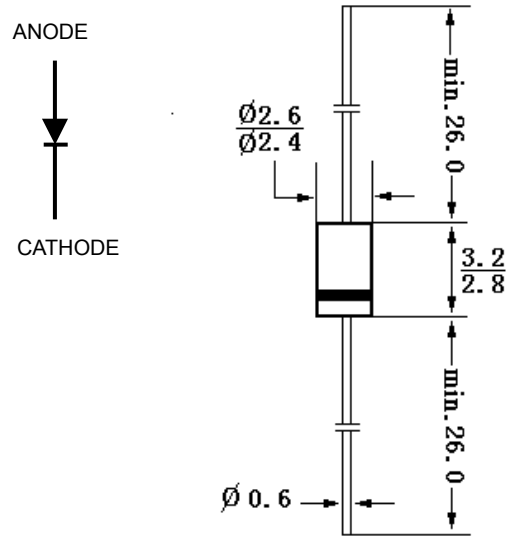


EZB100 ~EZB390

SILICON DIFFUSED ZENER DIODES

Constant Voltage Regulation

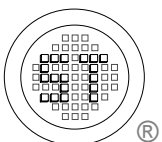
Transient Suppressors



Dimensions in mm

Absolute Maximum Ratings ($T_a = 25^\circ\text{C}$)

	Symbol	Value	Unit
Power Dissipation	P_{tot}	1	W
Junction Temperature	T_j	-40 to +150	$^\circ\text{C}$
Storage Temperature Range	T_s	-40 to +150	$^\circ\text{C}$



SEMTECH ELECTRONICS LTD.

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ISO/TS 16949 : 2002
Certificate No. 05103



ISO 14001
Certificate No. 7116



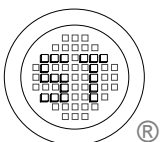
ISO 9001 : 2000
Certificate No. 050-100-0102-04

Dated : 23/06/2003

EZB100 ~EZB390

Characteristics at $T_a = 25^\circ\text{C}$

TYPE	Zener Characteristics					Temperature Coefficient Of Zener Voltage $\alpha T(\text{mV}/^\circ\text{C})$		Forward Voltage		Reverse Current	
	Zener Voltage $V_Z(\text{V})$			Zener Impedance $r_d(\zeta)$	Measurement Current $I_Z(\text{mA})$	Typ.	Max.	$V_F(\text{V})$	Measurement Current $I_F(\text{A})$	$I_R(\mu\text{A})$	Measurement Voltage $V_R(\text{V})$
	Min.	Typ.	Max.	Max.							
EZB100	90	100	110	300	3	87	138	1.2	0.2	10	80
EZB110	99	110	121	300	3	96	152	1.2	0.2	10	88
EZB150	135	150	165	450	2	136	212	1.2	0.2	10	120
EZB180	162	180	198	500	1.5	161	255	1.2	0.2	10	144
EZB200	180	200	220	500	0.5	170	269	1.2	0.2	10	160
EZB200-Y	190	200	210			170	269				160
EZB200-Z	200	210	220			178	286				168
EZB220	198	220	242	5000	0.5	200	309	1.2	0.2	10	176
EZB220-Y	210	220	230			200	309				176
EZB220-Z	220	230	240			207	320				184
EZB240	216	240	264	5000	0.5	215	325	1.2	0.2	10	192
EZB240-Y	230	240	250			215	325				216
EZB240-Z	240	250	260			225	338				225
EZB270	243	270	297	5000	0.5	243	385	1.2	0.2	10	216
EZB270-X	250	260	270			221	350				234
EZB270-Y	260	270	280			228	362				243
EZB270-Z	270	280	290			236	374				252
EZB300	270	300	330	5000	0.5	270	428	1.2	0.2	10	240
EZB300-X	280	290	300			244	388				261
EZB300-Y	290	300	310			253	402				270
EZB300-Z	300	310	320			261	415				279
EZB330	297	330	363	5000	0.5	296	470	1.2	0.2	10	264
EZB330-X	310	320	330			270	428				288
EZB330-Y	320	330	340			278	441				297
EZB330-Z	330	340	350			287	455				306
EZB390	351	390	429	10000	0.5	350	555	1.2	0.2	10	312



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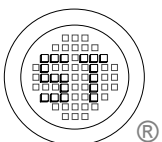
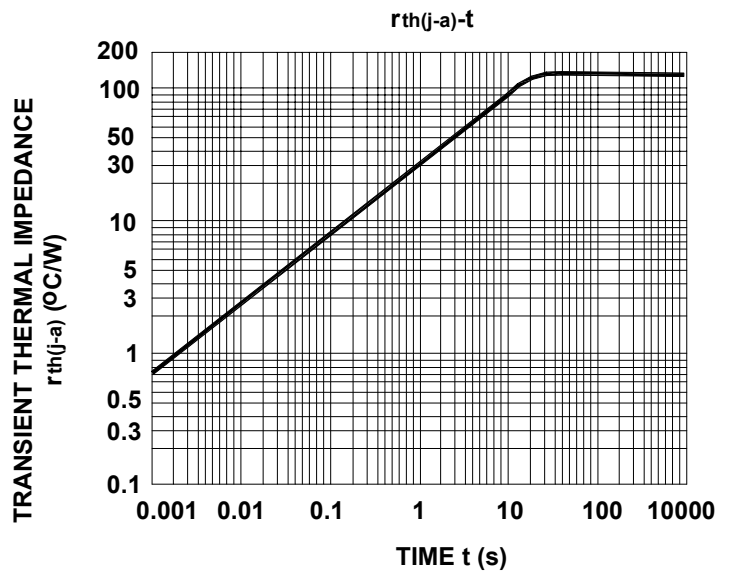
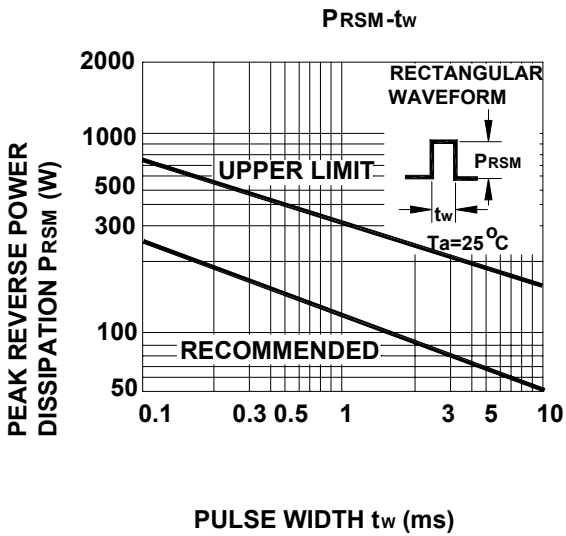
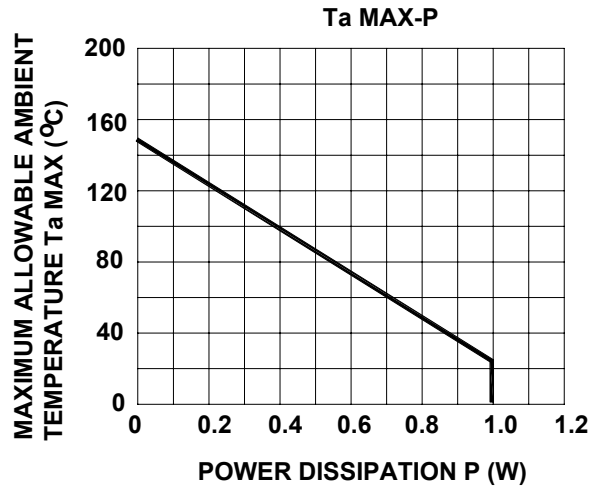
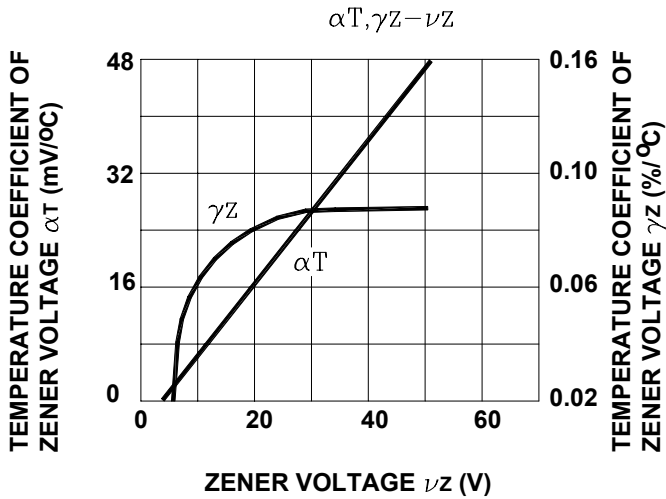


ISO 14001
Certificate No. 7116



ISO 9001 : 2000
Certificate No. 000-100-000-000

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