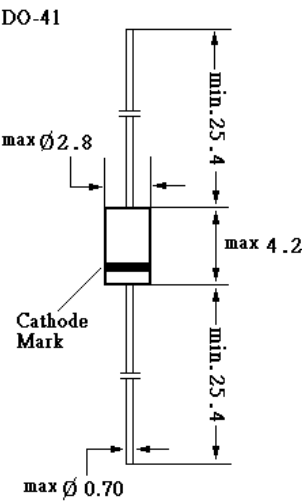


ZE2C ...

SILICON PLANAR POWER ZENER DIODES

for use in stabilizing and clipping circuits with high power rating. The Zener voltages are graded according to the international E24 standard. Other tolerance and higher Zener voltages are upon request.



Dimensions in mm

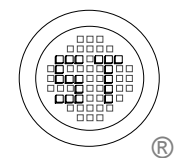
Absolute Maximum Ratings ($T_a = 25^{\circ}\text{C}$)

	Symbol	Value	Unit
Zener Current see Table "Characteristics"			
Power Dissipation at $T_a = 60^{\circ}\text{C}$	P_{tot}	2 ¹⁾	W
Junction Temperature	T_j	150	$^{\circ}\text{C}$
Storage Temperature Range	T_s	-55 to + 150	$^{\circ}\text{C}$

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

	Symbol	Min.	Typ.	Max.	Unit
Thermal Resistance Junction to Ambient Air	R_{thA}	-	-	60 ¹⁾	K/W

Note: 1). Valid provided that leads at a distance of 3/8" from case are kept at ambient temperature.



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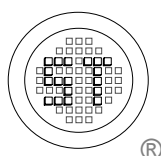
Dated : 23/12/2003

ZE2C ...

Electrical Characteristics

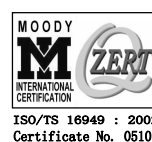
Type	Zener Voltage Range ¹⁾		Dynamic Resistance $r_{ZJ} \text{ (max)}$ Ω	Temp coefficient of Zener Voltage TKvz %/K	Reverse Leakage Current		I_{ZSM} tp = 10 ms A
	V_{ZT} V	I_{ZT} mA			I_R μA	at V_R V	
ZE 2C 100	94...106	5	200	0.08...0.13	1	50	0.15
ZE 2C 110	104...116	5	250	0.08...0.13	1	50	0.13
ZE 2C 120	114...127	5	250	0.08...0.13	1	60	0.12
ZE 2C 130	124...141	5	300	0.08...0.13	1	60	0.11
ZE 2C 150	138...156	5	300	0.08...0.13	1	75	0.10
ZE 2C 160	153...171	5	350	0.08...0.13	1	75	0.09
ZE 2C 180	168...191	5	350	0.08...0.13	1	90	0.08
ZE 2C 200	188...212	5	350	0.08...0.13	1	90	0.07

1) Tested with pulses $t_p = 20$ ms.



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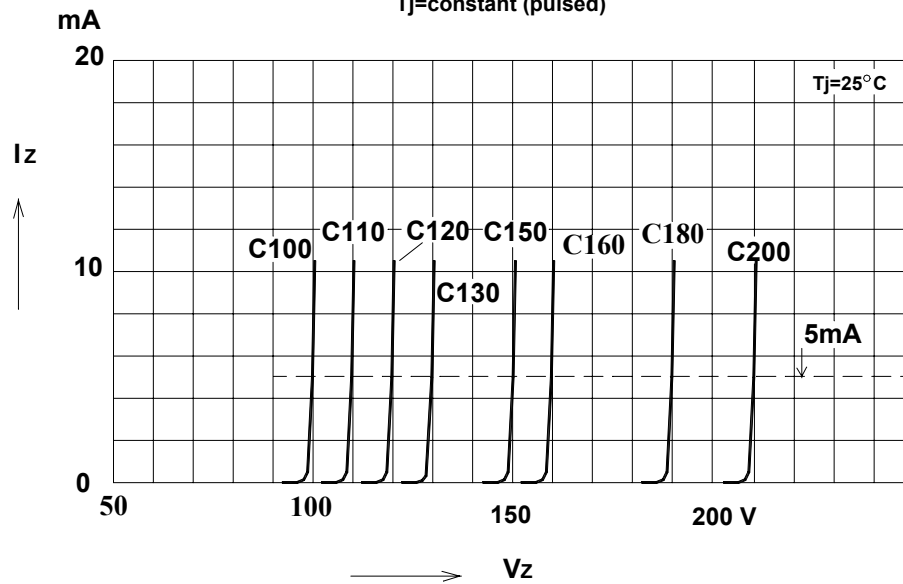
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Dated : 23/12/2003

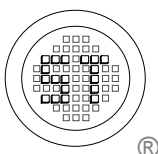
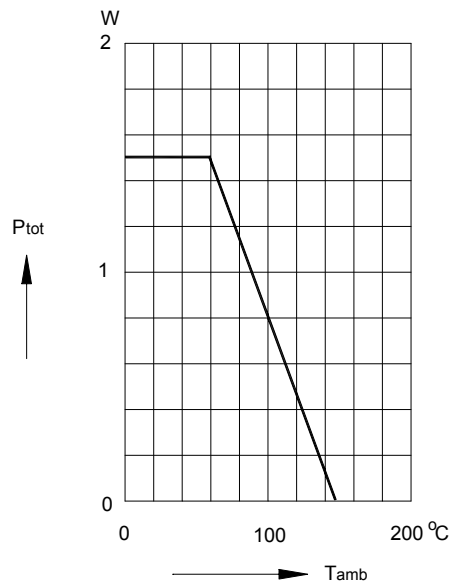
Breakdown characteristics

$T_j = \text{constant (pulsed)}$



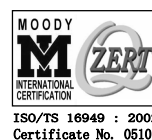
Admissible power dissipation versus ambient temperature

Valid provided that leads are kept at ambient temperature at a distance of 3/8" mm from case



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