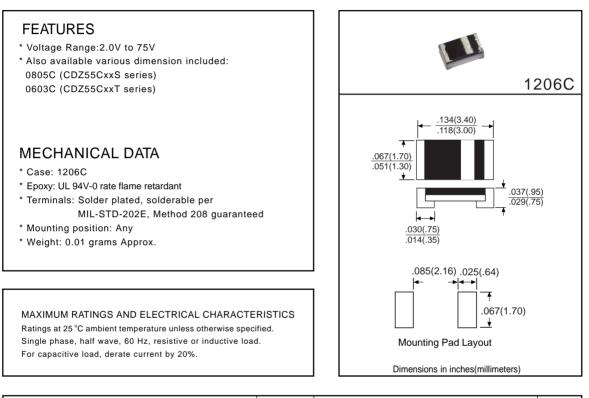


## TECHNICAL SPECIFICATIONS OF SILICON PLANAR POWER ZENER DIODES



	SYMBOL	VALUE	UNITS	
Zener Current see Table "Characterisitics"				
Power Dissipation at Tamb=25°C	Ptot	500 <sup>(1)</sup>		
Junction Temperature	Tj	150	°C	
Storage Temperature Range	Tstg	-55 to + 175	°C	
			°C/W	
Thermal Resistance		-	Тур.	
Junction to Ambient Air	RthA	-	Min.	
		300 <sup>(1)</sup>	Max.	
			Volts	
Forward Voltage		-	Тур.	
at IF=200mA	VF	-	Min.	
		1.5	Max.	

NOTE: Normal Tolerance ± 5%

		ninal	Zener	Maximum Zener			Maximum Reverse	
	Zener Voltage		Test Current I <sub>ZT</sub>	Impedance		I <sub>ZK</sub>	Leakage Current	
TYPE	Vollage V <sub>Z</sub> @I <sub>ZT</sub>			Z <sub>ZT@</sub> I <sub>ZT</sub>	Z <sub>ZK@</sub> I <sub>ZK</sub>		I <sub>R @</sub> V <sub>R</sub>	
					ZK@'ZK Ohms	mA		
0000000	Min.	Max.	mA	Ohms			μΑ	Volts
CDZ55C2V0	1.90	2.10	5	85	600	1	100	1
CDZ55C2V2	2.09	2.31	5	85	600	1	75	1
CDZ55C2V4	2.28	2.52	5	85	600	1	50	1
CDZ55C2V7	2.57	2.84	5	85	600	1	10	1
CDZ55C3V0	2.85	3.15	5	85	600	1	4	1
CDZ55C3V3	3.14	3.47	5	85	600	1	2	1
CDZ55C3V6	3.42	3.78	5	85	600	1	2	1
CDZ55C3V9	3.71	4.10	5	85	600	1	2	1
CDZ55C4V3	4.09	4.52	5	80	600	1	1	1
CDZ55C4V7	4.47	4.61	5	70	600	1	0.5	1
CDZ55C5V1	4.85	5.36	5	50	550	1	0.1	1
CDZ55C5V6	5.32	5.88	5	30	450	1	0.1	1
CDZ55C6V2	5.89	6.51	5	10	200	1	0.1	2
CDZ55C6V8	6.46	7.14	5	8	150	1	0.1	3
CDZ55C7V5	7.13	7.88	5	7	50	1	0.1	5
CDZ55C8V2	7.79	8.61	5	7	50	1	0.1	6.2
CDZ55C9V1	8.65	9.56	5	10	50	1	0.1	6.8
CDZ55C10	9.50	10.50	5	15	70	1	0.1	7.5
CDZ55C11	10.45	11.55	5	20	70	1	0.1	8.2
CDZ55C12	11.40	12.60	5	20	90	1	0.1	9.1
CDZ55C13	12.35	13.65	5	26	110	1	0.1	10
CDZ55C15	14.25	15.75	5	30	110	1	0.1	11
CDZ55C16	15.20	16.80	5	40	170	1	0.1	12
CDZ55C18	17.10	18.90	5	50	170	1	0.1	13
CDZ55C20	19.00	21.00	5	55	220	1	0.1	15
CDZ55C22	20.90	23.10	5	55	220	1	0.1	16
CDZ55C24	22.80	25.20	5	80	220	1	0.1	18
CDZ55C27	25.65	28.35	5	80	220	1	0.1	20
CDZ55C30	28.50	31.50	5	80	220	1	0.1	22
CDZ55C33	31.35	34.65	5	80	220	1	0.1	24
CDZ55C36	34.20	37.80	5	80	220	1	0.1	27
CDZ55C39	37.05	40.95	2.5	90	500	0.5	0.1	29.3
CDZ55C43	40.85	45.15	2.5	90	600	0.5	0.1	32.3
CDZ55C47	44.65	49.35	2.5	110	700	0.5	0.1	35.3
CDZ55C51	48.45	53.55	2.5	125	700	0.5	0.1	38.3
CDZ55C56	53.20	58.80	2.5	135	1000	0.5	0.1	42
CDZ55C62	58.90	65.10	2.5	150	1000	0.5	0.1	46.5

## RATING AND CHARACTERISTIC CURVES (CDZ55C SERIES)

changes in the power dissipation due to the ambient temperature.

64.60

71.25

71.40

78.75

ΙZ

2.5

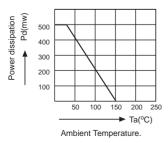
2.5

200

250

CDZ55C68

CDZ55C75



## Breakdown characteristics CDZ55C-SERIES

0.5

0.5

0.1

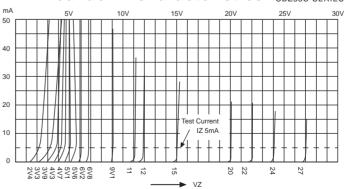
0.1

51

56.3

1000

1500



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