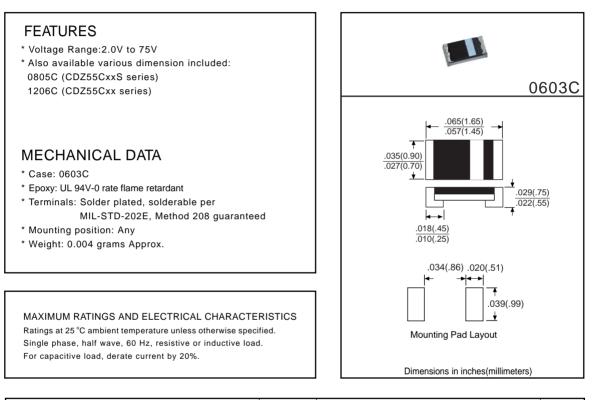


TECHNICAL SPECIFICATIONS OF SILICON PLANAR POWER ZENER DIODES



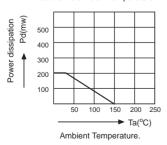
	SYMBOL	VALUE	UNITS
Zener Current see Table "Characterisitics"			
Power Dissipation at Tamb=25°C	Ptot	200 ⁽¹⁾	mW
Junction Temperature	Tj	150	°C
Storage Temperature Range	Tstg	-55 to + 175	°C
			°C/W
Thermal Resistance		-	Тур.
Junction to Ambient Air	RthA	-	Min.
		300 ⁽¹⁾	Max.
			Volts
Forward Voltage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

NOTE: Normal Tolerance ± 5%

	Nominal Zener Voltage		Zener Test Current I _{ZT}	Maximum Zener Impedance		I _{ZK}	Maximum Reverse Leakage Current	
TYPE				7 1	7 1			
	V _{Z@} I _{ZT}			Z _{ZT@} I _{ZT}	Z _{ZK@} I _{ZK}		I _R @ V _R	
	Min.	Max.	mA	Ohms	Ohms	mA	μΑ	Volts
CDZ55C2V0T	1.90	2.10	5	85	600	1	100	1
CDZ55C2V2T	2.09	2.31	5	85	600	1	75	1
CDZ55C2V4T	2.28	2.52	5	85	600	1	50	1
CDZ55C2V7T	2.57	2.84	5	85	600	1	10	1
CDZ55C3V0T	2.85	3.15	5	85	600	1	4	1
CDZ55C3V3T	3.14	3.47	5	85	600	1	2	1
CDZ55C3V6T	3.42	3.78	5	85	600	1	2	1
CDZ55C3V9T	3.71	4.10	5	85	600	1	2	1
CDZ55C4V3T	4.09	4.52	5	80	600	1	1	1
CDZ55C4V7T	4.47	4.61	5	70	600	1	0.5	1
CDZ55C5V1T	4.85	5.36	5	50	550	1	0.1	1
CDZ55C5V6T	5.32	5.88	5	30	450	1	0.1	1
CDZ55C6V2T	5.89	6.51	5	10	200	1	0.1	2
CDZ55C6V8T	6.46	7.14	5	8	150	1	0.1	3
CDZ55C7V5T	7.13	7.88	5	7	50	1	0.1	5
CDZ55C8V2T	7.79	8.61	5	7	50	1	0.1	6.2
CDZ55C9V1T	8.65	9.56	5	10	50	1	0.1	6.8
CDZ55C10T	9.50	10.50	5	15	70	1	0.1	7.5
CDZ55C11T	10.45	11.55	5	20	70	1	0.1	8.2
CDZ55C12T	11.40	12.60	5	20	90	1	0.1	9.1
CDZ55C13T	12.35	13.65	5	26	110	1	0.1	10
CDZ55C15T	14.25	15.75	5	30	110	1	0.1	11
CDZ55C16T	15.20	16.80	5	40	170	1	0.1	12
CDZ55C18T	17.10	18.90	5	50	170	1	0.1	13
CDZ55C20T	19.00	21.00	5	55	220	1	0.1	15
CDZ55C22T	20.90	23.10	5	55	220	1	0.1	16
CDZ55C24T	22.80	25.20	5	80	220	1	0.1	18
CDZ55C27T	25.65	28.35	5	80	220	1	0.1	20
CDZ55C30T	28.50	31.50	5	80	220	1	0.1	22
CDZ55C33T	31.35	34.65	5	80	220	1	0.1	24
CDZ55C36T	34.20	37.80	5	80	220	1	0.1	27
CDZ55C39T	37.05	40.95	2.5	90	500	0.5	0.1	29.3
CDZ55C43T	40.85	45.15	2.5	90	600	0.5	0.1	32.3
CDZ55C47T	44.65	49.35	2.5	110	700	0.5	0.1	35.3
CDZ55C51T	48.45	53.55	2.5	125	700	0.5	0.1	38.3
CDZ55C56T	53.20	58.80	2.5	135	1000	0.5	0.1	42
CDZ55C62T	58.90	65.10	2.5	150	1000	0.5	0.1	46.5
CDZ55C68T	64.60	71.40	2.5	200	1000	0.5	0.1	51
CDZ55C75T	71.25	78.75	2.5	250	1500	0.5	0.1	56.3

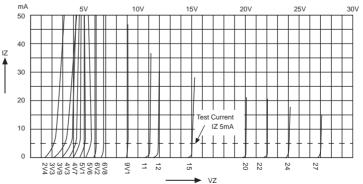
RATING AND CHARACTERISTIC CURVES (CDZ55CxxT SERIES)

changes in the power dissipation due to the ambient temperature.



Breakdown characteristics CDZ55x:





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