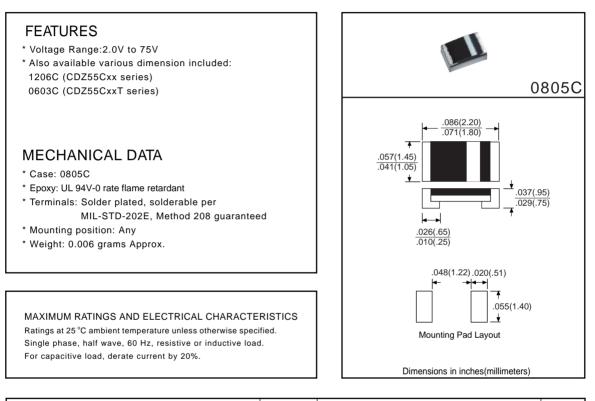


TECHNICAL SPECIFICATIONS OF SILICON PLANAR POWER ZENER DIODES

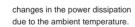


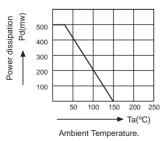
	SYMBOL	VALUE	UNITS
Zener Current see Table "Characterisitics"			
Power Dissipation at Tamb=25°C	Ptot	500 ⁽¹⁾	mW
Junction Temperature	Тј	150	°C
Storage Temperature Range	Tstg	-55 to + 175	°C
Thermal Resistance Junction to Ambient Air			°C/W
		-	Тур.
	RthA	-	Min.
		300 ⁽¹⁾	Max.
Forward Voltage at IF=200mA			Volts
		-	Typ.
	Vf	-	Min.
		1.5	Max.
1)Valid Provided that leads are kept at ambient tempe	erature.		· ·

NOTE: Normal Tolerance ± 5%

RATING AND CHARACTERISTIC	CURVES (CDZ55CxxS SERIES)
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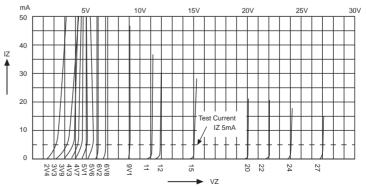
TYPE	Nominal Zener Voltage		Zener Test Current	Maximum Zener Impedance		I _{ZK}	Maximum Reverse Leakage Current	
	Vz@lzt		I _{ZT}	Z _{ZT@} I _{ZT} Z _{ZK@} I _{ZK}			I _R @ V _R	
	Min.	Max.	mA	Ohms	Ohms	mA	μA	Volts
CDZ55C2V0S	1.90	2.10	5	85	600	1	100	1
CDZ55C2V2S	2.09	2.31	5	85	600	1	75	1
CDZ55C2V4S	2.28	2.52	5	85	600	1	50	1
CDZ55C2V7S	2.57	2.84	5	85	600	1	10	1
CDZ55C3V0S	2.85	3.15	5	85	600	1	4	1
CDZ55C3V3S	3.14	3.47	5	85	600	1	2	1
CDZ55C3V6S	3.42	3.78	5	85	600	1	2	1
CDZ55C3V9S	3.71	4.10	5	85	600	1	2	1
CDZ55C4V3S	4.09	4.52	5	80	600	1	1	1
CDZ55C4V7S	4.47	4.61	5	70	600	1	0.5	1
CDZ55C5V1S	4.85	5.36	5	50	550	1	0.1	1
CDZ55C5V6S	5.32	5.88	5	30	450	1	0.1	1
CDZ55C6V2S	5.89	6.51	5	10	200	1	0.1	2
CDZ55C6V8S	6.46	7.14	5	8	150	1	0.1	3
CDZ55C7V5S	7.13	7.88	5	7	50	1	0.1	5
CDZ55C8V2S	7.79	8.61	5	7	50	1	0.1	6.2
CDZ55C9V1S	8.65	9.56	5	10	50	1	0.1	6.8
CDZ55C10S	9.50	10.50	5	15	70	1	0.1	7.5
CDZ55C11S	10.45	11.55	5	20	70	1	0.1	8.2
CDZ55C12S	11.40	12.60	5	20	90	1	0.1	9.1
CDZ55C13S	12.35	13.65	5	26	110	1	0.1	10
CDZ55C15S	14.25	15.75	5	30	110	1	0.1	11
CDZ55C16S	15.20	16.80	5	40	170	1	0.1	12
CDZ55C18S	17.10	18.90	5	50	170	1	0.1	13
CDZ55C20S	19.00	21.00	5	55	220	1	0.1	15
CDZ55C22S	20.90	23.10	5	55	220	1	0.1	16
CDZ55C24S	22.80	25.20	5	80	220	1	0.1	18
CDZ55C27S	25.65	28.35	5	80	220	1	0.1	20
CDZ55C30S	28.50	31.50	5	80	220	1	0.1	22
CDZ55C33S	31.35	34.65	5	80	220	1	0.1	24
CDZ55C36S	34.20	37.80	5	80	220	1	0.1	27
CDZ55C39S	37.05	40.95	2.5	90	500	0.5	0.1	29.3
CDZ55C43S	40.85	45.15	2.5	90	600	0.5	0.1	32.3
CDZ55C47S	44.65	49.35	2.5	110	700	0.5	0.1	35.3
CDZ55C51S	48.45	53.55	2.5	125	700	0.5	0.1	38.3
CDZ55C56S	53.20	58.80	2.5	135	1000	0.5	0.1	42
CDZ55C62S	58.90	65.10	2.5	150	1000	0.5	0.1	46.5
CDZ55C68S	64.60	71.40	2.5	200	1000	0.5	0.1	51
CDZ55C75S	71.25	78.75	2.5	250	1500	0.5	0.1	56.3





Breakdown characteristics CDZ

CDZ55xxS-SERIES



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