

CLL4729A
THRU
CLL4764A

1.0W ZENER DIODE
5% TOLERANCE



MELF CASE

CentralTM
Semiconductor Corp.

DESCRIPTION:

The CENTRAL SEMICONDUCTOR CLL4729A Series Silicon Zener Diode is a high quality voltage regulator for use in surface mount industrial, commercial, entertainment and computer applications.

MARKING CODE: CATHODE BAND.

ABSOLUTE MAXIMUM RATINGS:

Power Dissipation
Operating and Storage Temperature

SYMBOL

P_D 1.0
 T_J, T_{stg} -65 to +200

UNITS

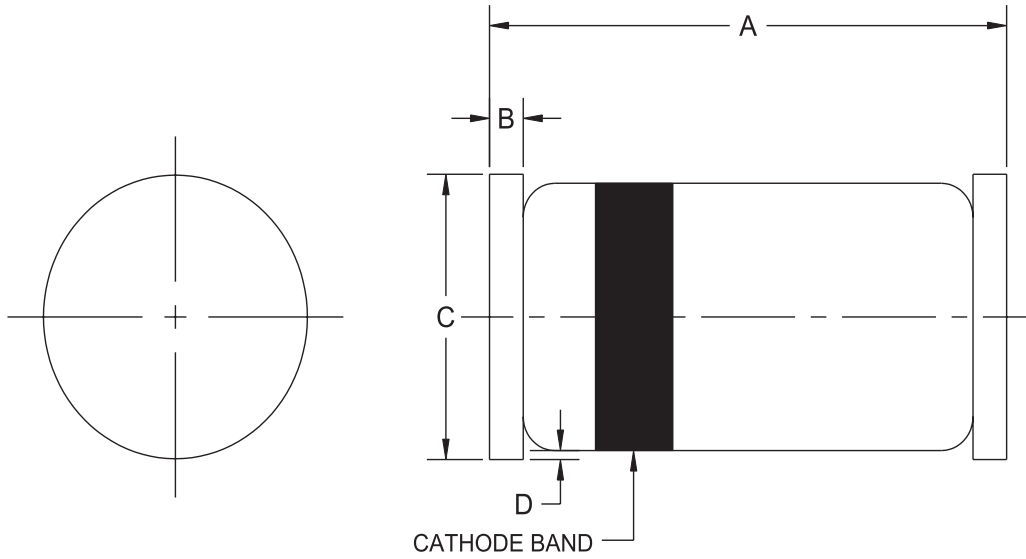
W
°C

ELECTRICAL CHARACTERISTICS: ($T_A=25\text{ }^\circ\text{C}$), $V_F=1.2\text{MAX}$ @ $I_F=200\text{mA}$ FOR ALL TYPES.

TYPE NO.	ZENER VOLTAGE $V_Z @ I_{ZT}$	TEST CURRENT I_{ZT}	MAXIMUM ZENER IMPEDANCE			MAXIMUM REVERSE CURRENT $I_R @ V_R$		MAXIMUM CURRENT I_{ZM}	
			$Z_{ZT} @ I_{ZT}$		$Z_{ZK} @ I_{ZK}$		μA		VOLTS
			Ω	Ω	Ω	mA			
CLL4729A	3.6	69	10	400	1.0	100	1.0	1260	
CLL4730A	3.9	64	9.0	400	1.0	50	1.0	1190	
CLL4731A	4.3	58	9.0	400	1.0	10	1.0	1070	
CLL4732A	4.7	53	8.0	500	1.0	10	1.0	970	
CLL4733A	5.1	49	7.0	550	1.0	10	1.0	890	
CLL4734A	5.6	45	5.0	600	1.0	10	2.0	810	
CLL4735A	6.2	41	2.0	700	1.0	10	3.0	730	
CLL4736A	6.8	37	3.5	700	1.0	10	4.0	660	
CLL4737A	7.5	34	4.0	700	0.5	10	5.0	605	
CLL4738A	8.2	31	4.5	700	0.5	10	6.0	550	
CLL4739A	9.1	28	5.0	700	0.5	10	7.0	500	
CLL4740A	10	25	7.0	700	0.25	10	7.6	454	
CLL4741A	11	23	8.0	700	0.25	5.0	8.4	414	
CLL4742A	12	21	9.0	700	0.25	5.0	9.1	380	
CLL4743A	13	19	10	700	0.25	5.0	9.9	344	
CLL4744A	15	17	14	700	0.25	5.0	11.4	304	
CLL4745A	16	15.5	16	700	0.25	5.0	12.2	285	
CLL4746A	18	14	20	750	0.25	5.0	13.7	250	
CLL4747A	20	12.5	22	750	0.25	5.0	15.2	225	
CLL4748A	22	11.5	23	750	0.25	5.0	16.7	205	
CLL4749A	24	10.5	25	750	0.25	5.0	18.2	190	
CLL4750A	27	9.5	35	750	0.25	5.0	20.6	170	
CLL4751A	30	8.5	40	1000	0.25	5.0	22.8	150	
CLL4752A	33	7.5	45	1000	0.25	5.0	25.1	135	
CLL4753A	36	7.0	50	1000	0.25	5.0	27.4	125	
CLL4754A	39	6.5	60	1000	0.25	5.0	29.7	115	
CLL4755A	43	6.0	70	1500	0.25	5.0	32.7	110	
CLL4756A	47	5.5	80	1500	0.25	5.0	35.8	95	
CLL4757A	51	5.0	95	1500	0.25	5.0	38.8	90	
CLL4758A	56	4.5	110	2000	0.25	5.0	42.6	80	
CLL4759A	62	4.0	125	2000	0.25	5.0	47.1	70	
CLL4760A	68	3.7	150	2000	0.25	5.0	51.7	65	
CLL4761A	75	3.3	175	2000	0.25	5.0	56	60	
CLL4762A	82	3.0	200	3000	0.25	5.0	62.2	55	
CLL4763A	91	2.8	250	3000	0.25	5.0	69.2	50	
CLL4764A	100	2.5	350	3000	0.25	5.0	76	45	

R1 (26-September 2002)

MELF CASE - MECHANICAL OUTLINE



R1

MARKING CODE: CATHODE BAND

SYMBOL	DIMENSIONS			
	INCHES		MILLIMETERS	
	MIN	MAX	MIN	MAX
A	0.185	0.209	4.70	5.31
B	0.014	0.022	0.36	0.56
C (DIA)	0.094	0.106	2.39	2.69
D	-	0.008	-	0.20

MELF (REV:R1)