

CLL4728A
THRU
CLL4764A

SURFACE MOUNT
1.0W SILICON ZENER DIODE
5% TOLERANCE



MELF CASE

CentralTM
Semiconductor Corp.

DESCRIPTION:

The CENTRAL SEMICONDUCTOR CLL4728A Series Silicon Zener Diode is a high quality voltage regulator for use in surface mount industrial, commercial, entertainment and computer applications.

MARKING: CATHODE BAND

ABSOLUTE MAXIMUM RATINGS:

Power Dissipation
Operating and Storage Junction Temperature

SYMBOL

P_D
 T_J, T_{stg}

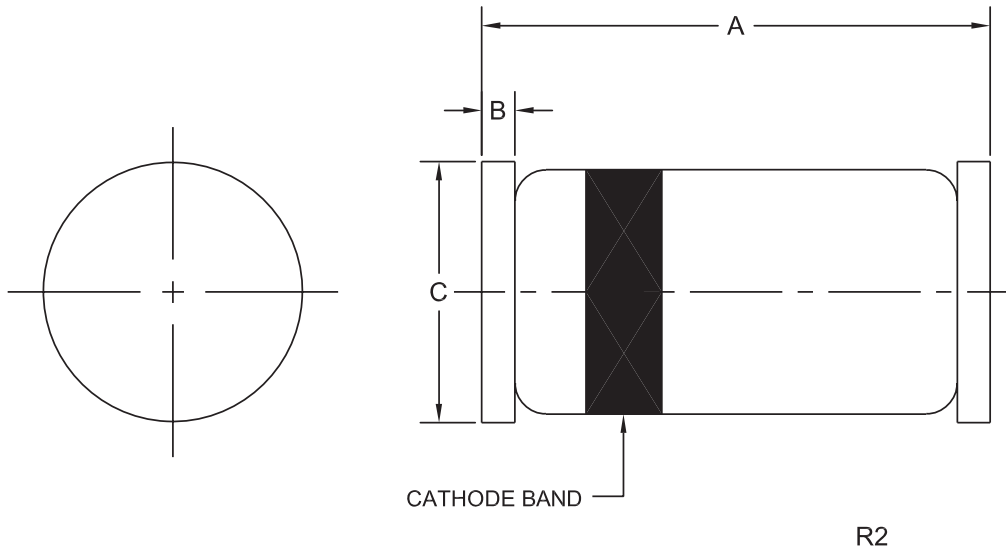
UNITS

1.0 W
-65 to +200 °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		TEST CURRENT			MAXIMUM ZENER IMPEDANCE			MAXIMUM REVERSE CURRENT		MAXIMUM CURRENT
	$V_Z @ I_{ZT}$		I_{ZT}	$Z_{ZT} @ I_{ZT}$	$Z_{ZK} @ I_{ZK}$		$I_R @ V_R$		I_{ZM}		
	V	mA	Ω	Ω	mA	μA	V	mA			
CLL4728A	3.3	76	10	400	1.0	100	1.0	1380			
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			

MELF CASE - MECHANICAL OUTLINE



MARKING: CATHODE BAND

SYMBOL	DIMENSIONS			
	INCHES		MILLIMETERS	
	MIN	MAX	MIN	MAX
A	0.185	0.217	4.70	5.50
B	0.012	0.022	0.30	0.56
C (DIA)	0.094	0.110	2.40	2.80

MELF (REV:R2)