

CTLZ3V9 THRU CTLZ8V2

SURFACE MOUNT SILICON
ZENER DIODES



www.centrasemi.com



TLM2D3D6 CASE

FEATURES:

- Ultra small, ultra low profile
0.3mm x 0.6mm x 0.3mm TLP™ leadless surface mount package.

DESCRIPTION:

The CENTRAL SEMICONDUCTOR CTLZ3V9 thru CTLZ8V2 silicon Zener diodes are high quality voltage regulators, each packaged in the ultra small, ultra low profile TLM2D3D6 leadless surface mount case.

MARKING CODE: SEE MARKING CODES ON ELECTRICAL CHARACTERISTICS TABLE

APPLICATIONS:

- Reference voltage
- Voltage regulation
- Over-voltage protection
- Medical electronics
- Handheld devices such as mobile phones and MP3 players.

MAXIMUM RATINGS: (T_A=25°C)

Power Dissipation
Operating and Storage Junction Temperature

SYMBOL

P_D
T_J, T_{stg}

UNITS

mW
°C

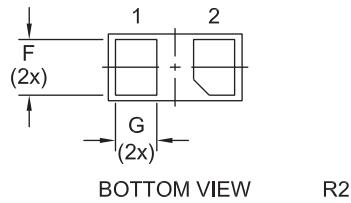
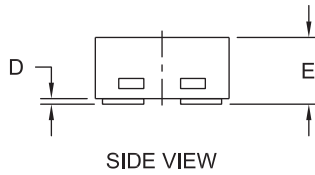
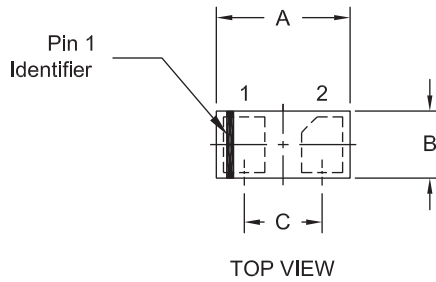
ELECTRICAL CHARACTERISTICS: (T_A=25°C) V_F=0.9V MAX @ I_F=10mA (for all types)

TYPE	ZENER VOLTAGE			TEST CURRENT	MAXIMUM REVERSE LEAKAGE CURRENT		MARKING CODE
	V _Z @ I _{ZT}				I _{ZT}	I _R	
	MIN V	NOM V	MAX V	mA		µA	
CTLZ3V9	3.74	3.9	4.16	5.0	5.0	1.0	F
CTLZ4V7	4.42	4.7	4.90	5.0	2.0	1.0	H
CTLZ5V1	4.84	5.1	5.37	5.0	2.0	1.5	K
CTLZ5V6	5.31	5.6	5.92	5.0	1.0	2.5	L
CTLZ6V2	5.86	6.2	6.53	5.0	1.0	3.0	N
CTLZ6V8	6.47	6.8	7.14	5.0	0.5	3.5	P
CTLZ7V5	7.06	7.5	7.84	5.0	0.5	4.0	T
CTLZ8V2	7.76	8.2	8.64	5.0	0.5	5.0	U

CTLZ3V9 THRU CTLZ8V2
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TLM2D3D6 CASE - MECHANICAL OUTLINE



DIMENSIONS				
SYMBOL	INCHES		MILLIMETERS	
	MIN	MAX	MIN	MAX
A	0.022	0.026	0.55	0.65
B	0.010	0.014	0.25	0.35
C	0.014		0.35	
D	0.000	0.002	0.00	0.05
E	0.011	0.013	0.28	0.32
F	0.008	0.012	0.20	0.30
G	0.005	0.009	0.13	0.24

TLM2D3D6 (REV: R2)

LEAD CODE:

- 1) Cathode
- 2) Anode

MARKING CODE: SEE MARKING CODES ON ELECTRICAL CHARACTERISTICS TABLE

R0 (23-October 2012)