

CUD3-02

ULTRA FAST RECOVERY RECTIFIER
SINGLE, 3.0 AMPS, 200 VOLTS



DPAK CASE

Central™
Semiconductor Corp.

DESCRIPTION:

The CENTRAL SEMICONDUCTOR CUD3-02, Silicon Ultra Fast Recovery Rectifier is a high quality, well constructed, highly reliable component designed for use in all types of commercial, industrial, entertainment, computer and automotive applications.

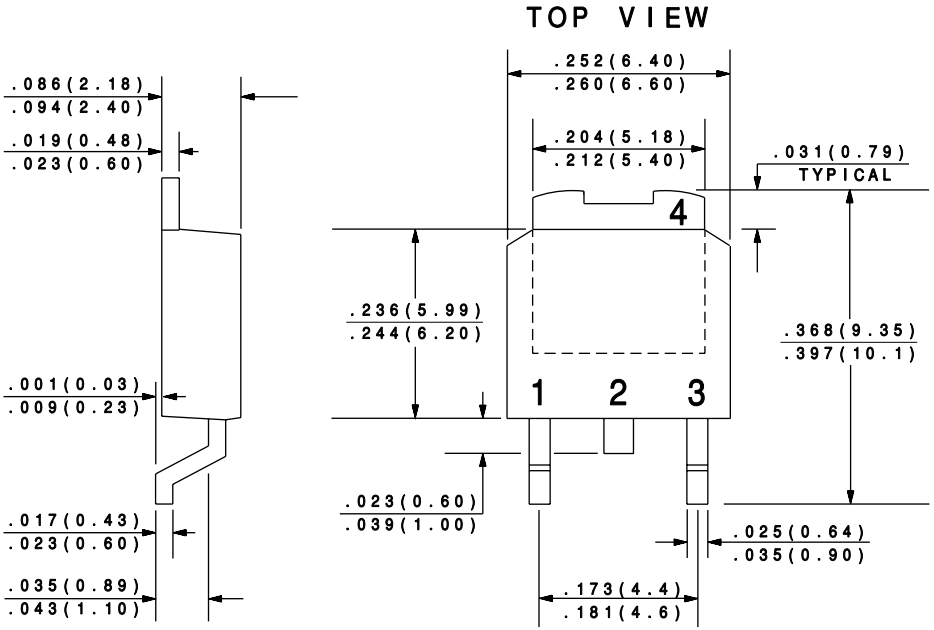
MAXIMUM RATINGS: (T_C=25°C unless otherwise noted)

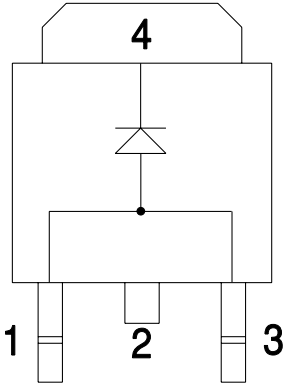
	SYMBOL		UNITS
Peak Working Reverse Voltage	V_{RRM}	200	V
DC Blocking Voltage	V_R	200	V
Average Rectified Forward Current (T_C=125°C)	I_O	3.0	A
Peak Repetitive Forward Current (T_C=125°C)	I_{FRM}	6.0	A
Peak Forward Surge Current (tp=2 μs)	I_{FSM}	75	A
Operating and Storage Junction Temperature	T_J,T_{stg}	-65 to +150	°C
Thermal Resistance	Θ_{JC}	6.0	°C/W

ELECTRICAL CHARACTERISTICS: (T_C=25°C unless otherwise noted)

SYMBOL	TEST CONDITIONS	MIN	MAX	UNIT
I_R	V_R=200V		5.0	μA
I_R	V_R=200V, T_C=125°C		500	μA
V_F	I_F=3.0A		0.95	V
V_F	I_F=3.0A, T_C=125°C		0.75	V
t_{rr}	V_R=30V, I_F=1.0A, di/dt=50A/μs		35	ns

All dimensions in inches (mm).





LEAD CODE:

1) ANODE
2) CATHODE
3) ANODE
4) CATHODE

PIN 2 IS COMMON TO THE TAB (4).

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