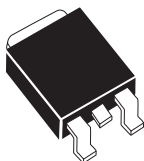




CUD3-02

ULTRA FAST RECOVERY RECTIFIER  
SINGLE, 3.0 AMPS, 200 VOLTS

DPAK  
POWER!



DPAK CASE

Central<sup>TM</sup>  
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.

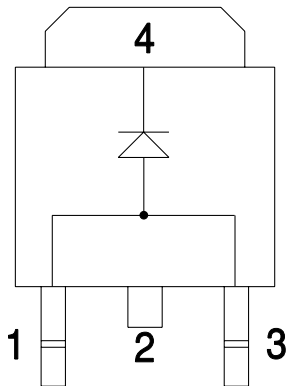
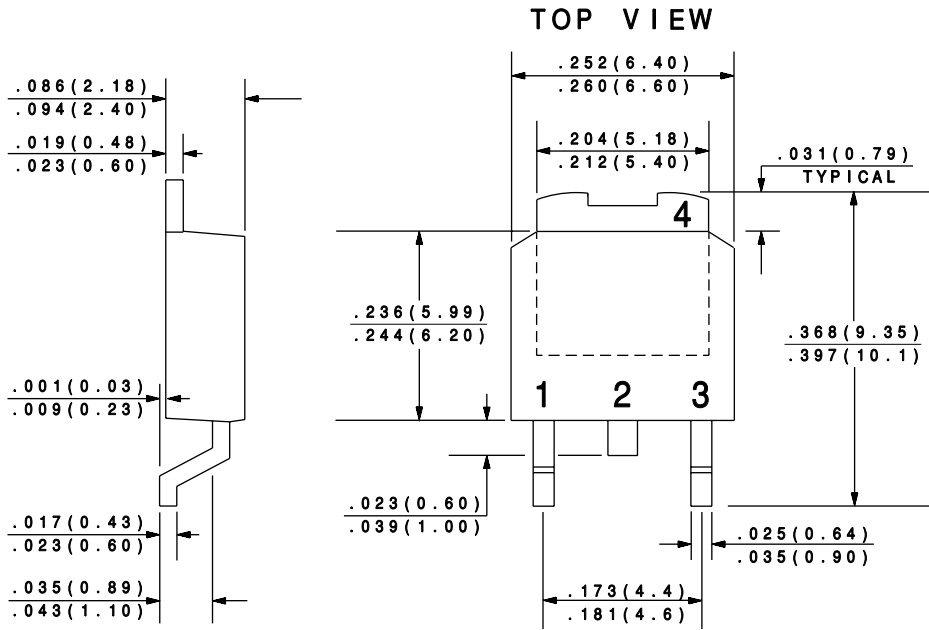
MAXIMUM RATINGS: (T<sub>C</sub>=25°C unless otherwise noted)

	SYMBOL		UNITS
Peak Working Reverse Voltage	V <sub>RRM</sub>	200	V
DC Blocking Voltage	V <sub>R</sub>	200	V
Average Rectified Forward Current (T <sub>C</sub> =125°C)	I <sub>O</sub>	3.0	A
Peak Repetitive Forward Current (T <sub>C</sub> =125°C)	I <sub>FRM</sub>	6.0	A
Peak Forward Surge Current (tp=2 μs)	I <sub>FSM</sub>	75	A
Operating and Storage			
Junction Temperature	T <sub>J</sub> , T <sub>stg</sub>	-65 to +150	°C
Thermal Resistance	θ <sub>JC</sub>	6.0	°C/W

ELECTRICAL CHARACTERISTICS: (T<sub>C</sub>=25°C unless otherwise noted)

SYMBOL	TEST CONDITIONS	MIN	MAX	UNIT
I <sub>R</sub>	V <sub>R</sub> =200V		5.0	μA
I <sub>R</sub>	V <sub>R</sub> =200V, T <sub>C</sub> =125°C		500	μA
V <sub>F</sub>	I <sub>F</sub> =3.0A		0.95	V
V <sub>F</sub>	I <sub>F</sub> =3.0A, T <sub>C</sub> =125°C		0.75	V
t <sub>rr</sub>	V <sub>R</sub> =30V, I <sub>F</sub> =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).