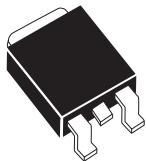




CUD6-02C

**ULTRA FAST RECOVERY RECTIFIER  
DUAL, COMMON CATHODE  
6.0 AMPS, 200 VOLTS**

DPAK POWER!



DPAK CASE

**Central™**  
Semiconductor Corp.

### DESCRIPTION:

The CENTRAL SEMICONDUCTOR CUD6-02C, 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.

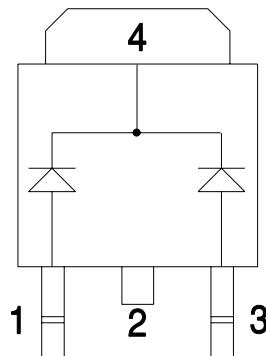
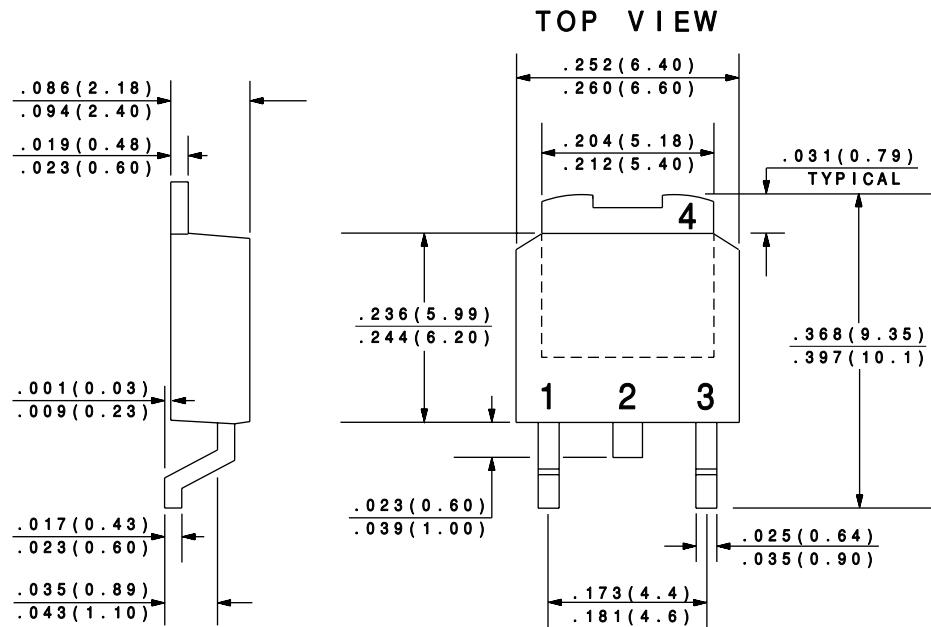
**MAXIMUM RATINGS:** ( $T_C=25^{\circ}\text{C}$  unless otherwise noted)

	SYMBOL	UNITS
Peak Working Reverse Voltage	$V_{RRM}$	V
DC Blocking Voltage	$V_R$	V
Average Rectified Forward Current ( $T_C=125^{\circ}\text{C}$ ) Per Diode	$I_O$	A
Average Rectified Forward Current ( $T_C=125^{\circ}\text{C}$ ) Per Device	$I_O$	A
Peak Repetitive Forward Current ( $T_C=125^{\circ}\text{C}$ )	$I_{FRM}$	A
Peak Forward Surge Current ( $t_p=2\ \mu\text{s}$ )	$I_{FSM}$	A
Operating and Storage		
Junction Temperature	$T_J, T_{stg}$	$^{\circ}\text{C}$
Thermal Resistance	$\Theta_{JC}$	$^{\circ}\text{C/W}$

**ELECTRICAL CHARACTERISTICS PER DIODE:** ( $T_C=25^{\circ}\text{C}$  unless otherwise noted)

SYMBOL	TEST CONDITIONS	MIN	MAX	UNIT
$I_R$	$V_R=200\text{V}$	5.0	$\mu\text{A}$	
$I_R$	$V_R=200\text{V}, T_C=125^{\circ}\text{C}$	500	$\mu\text{A}$	
$V_F$	$I_F=3.0\text{A}$	1.0	V	
$V_F$	$I_F=3.0\text{A}, T_C=125^{\circ}\text{C}$	0.95	V	
$V_F$	$I_F=6.0\text{A}$	1.2	V	
$V_F$	$I_F=6.0\text{A}, T_C=125^{\circ}\text{C}$	1.1	V	
$t_{rr}$	$V_R=30\text{V}, I_F=1.0\text{A}, di/dt=50\text{A}/\mu\text{s}$	35	ns	

All dimensions in inches (mm).



**LEAD CODE:**

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

PIN 2 IS COMMON TO THE TAB (4).

R1