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CUD6-02C

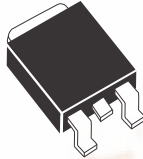
**ULTRA FAST RECOVERY RECTIFIER
DUAL, COMMON CATHODE
6.0 AMPS, 200 VOLTS**

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.

DPAK
POWER!



DPAK CASE

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

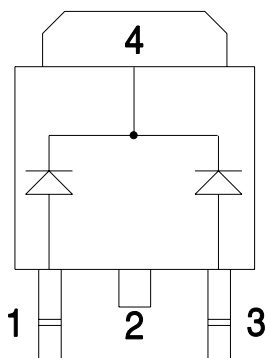
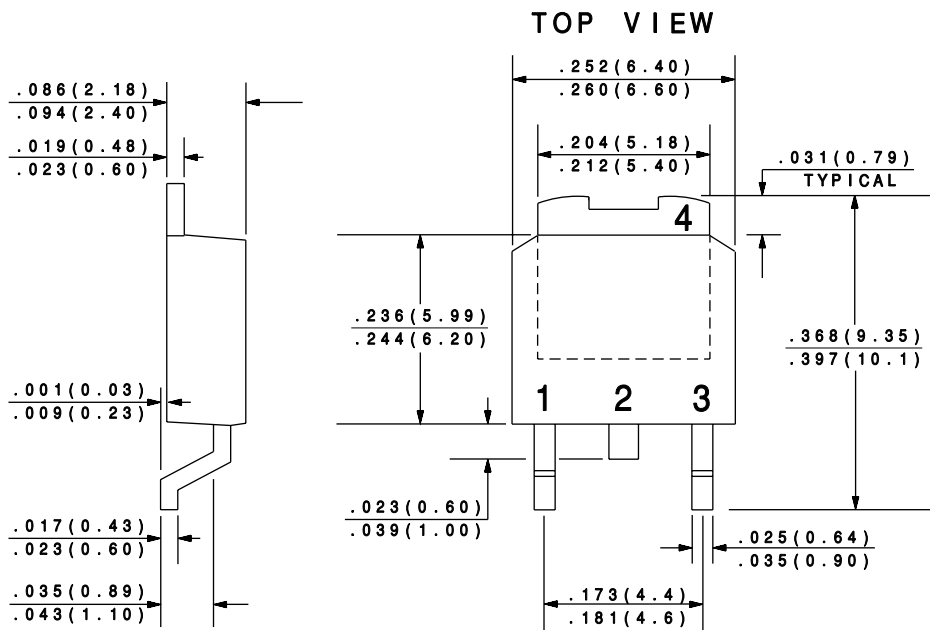
	SYMBOL		UNITS
Peak Working Reverse Voltage	V_{RRM}	200	V
DC Blocking Voltage	V_R	200	V
Average Rectified Forward Current ($T_C=125^{\circ}\text{C}$) Per Diode	I_O	3.0	A
Average Rectified Forward Current ($T_C=125^{\circ}\text{C}$) Per Device	I_O	6.0	A
Peak Repetitive Forward Current ($T_C=125^{\circ}\text{C}$)	I_{FRM}	6.0	A
Peak Forward Surge Current ($t_p=2\ \mu\text{s}$)	I_{FSM}	75	A
Operating and Storage			
Junction Temperature	T_J, T_{stg}	-65 to +150	$^{\circ}\text{C}$
Thermal Resistance	θ_{JC}	6.0	$^{\circ}\text{C/W}$

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	μA
I_R	$V_R=200\text{V}, T_C=125^{\circ}\text{C}$		500	μA
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).