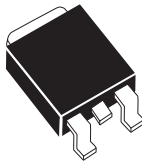




CUD3-02

ULTRA FAST RECOVERY RECTIFIER
SINGLE, 3.0 AMPS, 200 VOLTS

DPAK
POWER!



DPAK CASE

CentralTM 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.

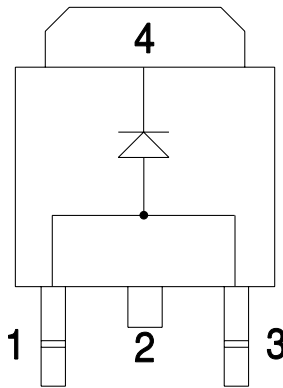
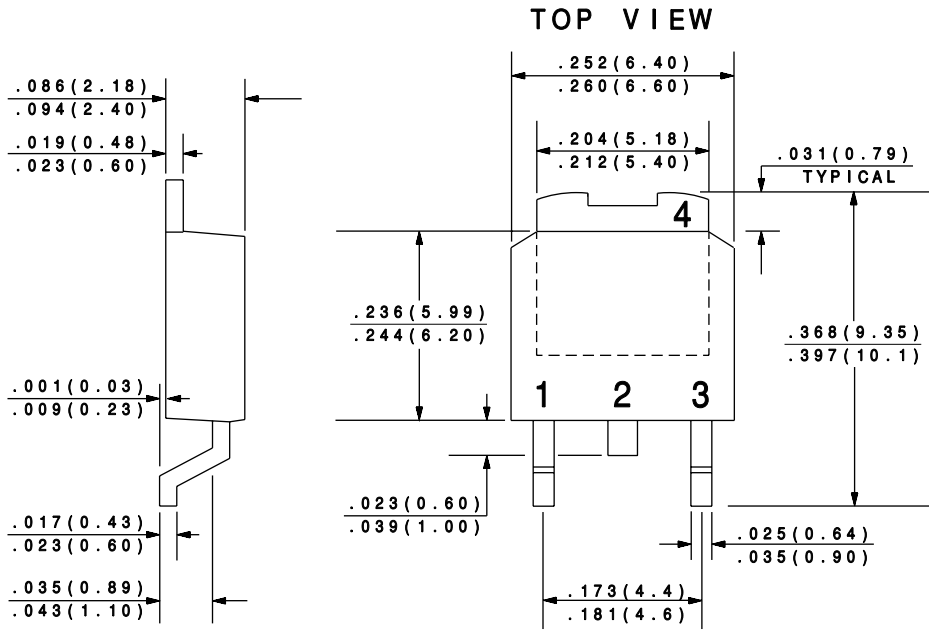
MAXIMUM RATINGS: ($T_C=25^{\circ}C$ unless otherwise noted)

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

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

SYMBOL	TEST CONDITIONS	MIN	MAX	UNIT
I_R	$V_R=200V$		5.0	μA
I_R	$V_R=200V, T_C=125^{\circ}C$		500	μA
V_F	$I_F=3.0A$		0.95	V
V_F	$I_F=3.0A, T_C=125^{\circ}C$		0.75	V
t_{rr}	$V_R=30V, I_F=1.0A, di/dt=50A/\mu s$		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).