

[查询CSHDD16-100C供应商](#)

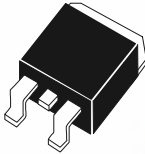
[捷多邦, 专业PCB打样工厂, 24小时加](#)

Central
Semiconductor Corp.



CSHDD16-40C
CSHDD16-60C
CSHDD16-100C

SILICON SCHOTTKY RECTIFIERS
DUAL, COMMON CATHODE
16 AMP, 40 THRU 100 VOLTS



D²PAK CASE

FEATURES:

- HIGH RELIABILITY
- LOW FORWARD VOLTAGE
- HIGH CURRENT CAPABILITY
- HIGH SURGE CAPACITY
- UL FLAMMABILITY CLASSIFICATION 94V-0
- SUPERIOR LOT TO LOT CONSISTENCY
- LOW POWER LOSS, HIGH EFFECIENCY
- HIGH VOLTAGE

DESCRIPTION:

The CENTRAL SEMICONDUCTOR CSHDD16-40C Series types are Silicon Schottky Rectifiers designed for surface mount fast switching applications requiring a low forward voltage drop. To order devices on 24mm Tape and Reel (800/13" Reel), add TR13 suffix to part number.

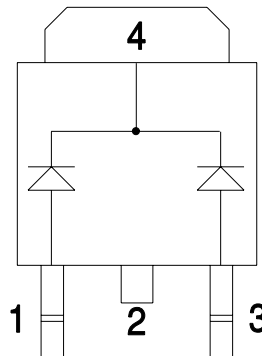
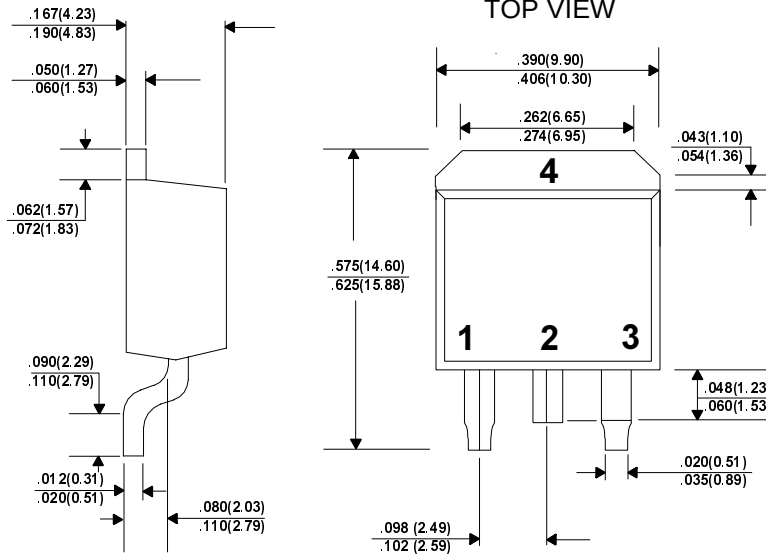
MAXIMUM RATINGS: ($T_C=25^{\circ}\text{C}$ unless otherwise noted)

	SYMBOL	CSHDD16 -40C	CSHDD16 -60C	CSHDD16 -100C	UNITS
Peak Repetitive Reverse Voltage	V_{RRM}	40	60	100	V
DC Blocking Voltage	V_R	40	60	100	V
RMS Reverse Voltage	$V_{R(RMS)}$	26	42	80	V
Average Forward Current ($T_C=90^{\circ}\text{C}$)	I_O		16		A
Peak Forward Surge Current (8.3ms)	I_{FSM}		150		A
Critical Rate of Rise of Reverse Voltage	dV/dt		10,000		V/ μs
Operating and Storage					
Junction Temperature	T_J, T_{stg}		-65 to +150		$^{\circ}\text{C}$
Typical Thermal Resistance	Θ_{JC}		2.0		$^{\circ}\text{C/W}$
Typical Thermal Resistance	Θ_{JA}		50		$^{\circ}\text{C/W}$

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

SYMBOL	TEST CONDITIONS	CSHDD16 -40C		CSHDD16 -60C		CSHDD16 -100		UNITS
		TYP	MAX	TYP	MAX	TYP	MAX	
I_R	$V_R=\text{Rated } V_{RRM}$		100		100		100	μA
I_R	$V_R=\text{Rated } V_{RRM}, T_C=125^{\circ}\text{C}$		15		15		15	mA
V_F	$I_F=8.0\text{A}$		0.65		0.75		0.85	V
V_F	$I_F=8.0\text{A}, T_C=125^{\circ}\text{C}$		0.57		0.65		0.75	V
V_F	$I_F=16\text{A}$		0.84		0.95		1.10	V
V_F	$I_F=16\text{A}, T_C=125^{\circ}\text{C}$		0.72		0.85		1.00	V

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)