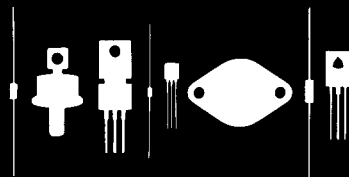


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145 Adams Avenue  
Hauppauge, New York 11788



## CRSH30KD SERIES

30 AMP, 20 THRU 80 VOLTS  
CENTER TAP SCHOTTKY RECTIFIER

JEDEC TO-3 CASE

### DESCRIPTION

The CENTRAL SEMICONDUCTOR CRSH30KD series types are 30 AMP Center Tapped Schottky Rectifiers mounted in a hermetically sealed JEDEC TO-3 Case designed for applications requiring low forward drop and instantaneous reverse recovery times.

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

SYMBOL	CRSH30 KD-2	CRSH30 KD-3	CRSH30 KD-4	CRSH30 KD-5	CRSH30 KD-6	CRSH30 KD-8	UNIT
$V_{RRM}$	20	30	40	50	60	80	V
$V_R$	20	30	40	50	60	80	V
$V_{R(RMS)}$	14	21	28	35	42	56	V
$I_O$				30			A
$I_{FSM} @ T_C=100^{\circ}\text{C}$				300			A
$T_J, T_{stg}$				-65 TO +150			$^{\circ}\text{C}$
$\theta_{JA}$				1.4 TYP			$^{\circ}\text{C/W}$

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

SYMBOL	TEST CONDITIONS	MIN	MAX	UNIT
$V_F$ (20V-40V)	$I_F=15\text{A}$ Per leg		0.65	V
$V_F$ (50V-80V)	$I_F=15\text{A}$ Per leg		0.75	V
$I_R$	$V_R=\text{Rated } V_{RRM}$		10	mA
$I_R$	$V_R=\text{Rated } V_{RRM}, T_C=100^{\circ}\text{C}$		100	mA

Standard Device is Common Cathode Configuration.

For Common Anode Configuration Add "A" to Part Number.

For Doubler Configuration Add "E" to Part Number.

