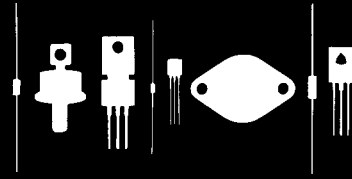


Central
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145 Adams Avenue
Hauppauge, New York 11788



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 | CRSH30 | CRSH30 | CRSH30 | CRSH30 | CRSH30 | UNIT |
|---------------------------------------|--------|--------|--------|-------------|--------|--------|-----------------------------|
| | KD-2 | KD-3 | KD-4 | KD-5 | KD-6 | KD-8 | |
| 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 | | | $^{\circ}\text{C}$ |
| θ_{JA} | | | | 1.4 TYP | | | $^{\circ}\text{C}/\text{W}$ |

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.

