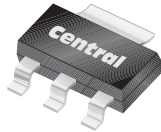


CZSH5-40C

**SURFACE MOUNT
DUAL, COMMON CATHODE SILICON
SCHOTTKY POWER RECTIFIER
5 AMP, 40 VOLTS**



SOT-223 CASE



www.centrasemi.com

DESCRIPTION:

The CENTRAL SEMICONDUCTOR CZSH5-40C is manufactured with two 5 Amp Schottky rectifiers assembled in a common cathode configuration and packaged in a SOT-223 case. This device has been designed for use in all types of commercial, industrial, entertainment, computer and automotive applications which require a high current device.

MARKING: FULL PART NUMBER

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

| | SYMBOL | | UNITS |
|--|----------------|-------------|--------------------|
| Peak Repetitive Reverse Voltage | V_{RRM} | 40 | V |
| DC Blocking Voltage | V_R | 40 | V |
| RMS Reverse Voltage | $V_{R(RMS)}$ | 28 | V |
| Average Forward Current ($T_A=75^{\circ}\text{C}$) | I_O | 5 | A |
| Peak Forward Surge Current, $t_p=8.3\text{ms}$ | I_{FSM} | 125 | A |
| Operating and Storage Junction Temperature | T_J, T_{stg} | -65 to +150 | $^{\circ}\text{C}$ |

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

| SYMBOL | TEST CONDITIONS | MAX | UNITS |
|--------|---|------|-------|
| I_R | $V_R=40\text{V}$ | 3.0 | mA |
| I_R | $V_R=40\text{V}, T_A=100^{\circ}\text{C}$ | 20 | mA |
| V_F | $I_F=5.0\text{A}$ | 0.55 | V |

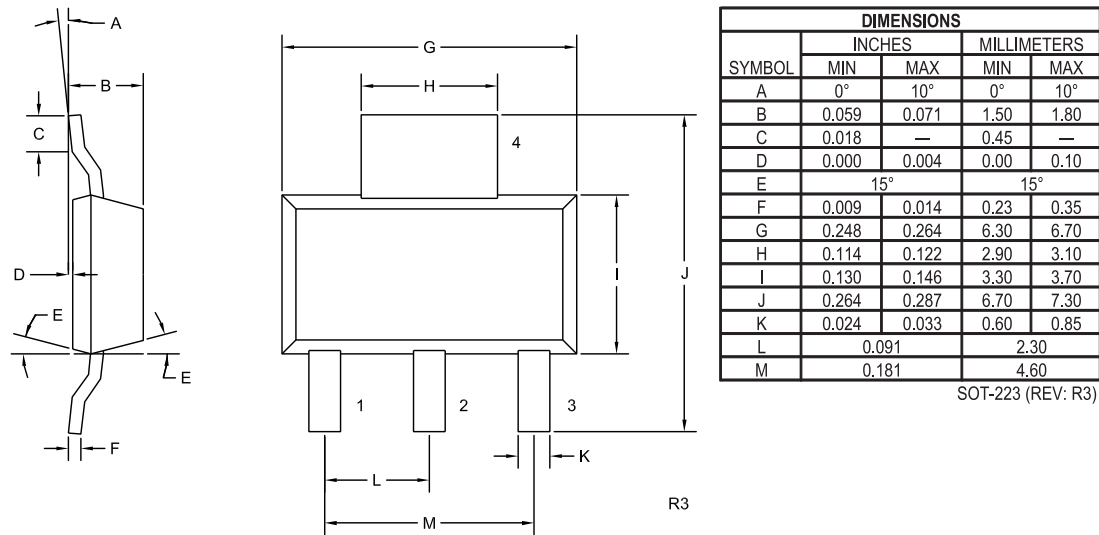
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CZSH5-40C

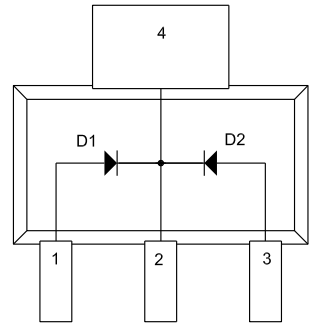
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SOT-223 CASE - MECHANICAL OUTLINE



PIN CONFIGURATION



LEAD CODE:
1) Anode D1
2) Cathode D1, D2
3) Anode D2
4) Cathode D1, D2
Pin 2 and Pin 4 are common.

MARKING:
FULL PART NUMBER