

PRODUCT BRIEF

CTSR400C-IS2 Series

General Description

The Crocus CTSR400C series is product line of magnetic sensors designed for switching applications and based on unique patented MLU technology. The products are designed to be an effective alternative of reed relay switches and other magnetic sensors used in switch applications. The advantage of the CTSR400C series includes high frequency switching, high sensitivity, high reliability, small footprint and low power consumption.

CTSR400C switch products are offered in standard SOT23 packages. Custom packages can be offered upon request.

Product Table

Part Number	Description	Operation Temperature
CTSR421C-IS2	Output resistance (OFF) 20k Ω , SOT23	Commercial & industrial
CTSR461C-IS2	Output resistance (OFF) 55k Ω , SOT23	Commercial & industrial

Magnetic Switch Applications

CTSR400C Series is particularly suitable for applications performing open/close, on/off, latching, push buttons, security systems, position sensing, fluid level sensing, and many others.

Key Features

General

- ❖ Flexible supply voltage
- ❖ Low current in μA range
- ❖ High sensitivity and high stability of the magnetic switching point
- ❖ High resistance to mechanical stress
- ❖ Low power
- ❖ High frequency performance
- ❖ Industrial temperature operating range
- ❖ Digital output signal

Benefits

- ❖ No bias current
- ❖ Low cost
- ❖ Small form factor
- ❖ Excellent thermal stability
- ❖ Multiple applications
- ❖ Sensing wide range of magnetic field
- ❖ Simple signal processing circuit (if needed)

Equivalent Electrical Circuit



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