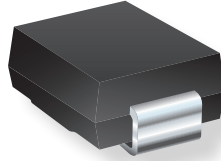


# New Product Release

## CHIP DIODES



## Bourns Adds New Discrete TVS Diode Series

### *Model 5.0SMDJ*

Riverside, California - September 22, 2017 - Bourns is pleased to announce the release of a new ESD/EFT/Surge Protection series for general applications. Communications, industrial control and automation, and power supply manufacturers are challenging the semiconductor industry to develop increasingly higher power density circuit protection components. Bourns offers Transient Voltage Suppressor Diodes for surge and ESD protection applications, in compact chip package size formats.

Series	Breakdown Voltage	Unidirectional/ Bidirectional	Power Wattage
5.0SMDJ	12 - 170V	Both	5000 W

The series is RoHS compliant\*, halogen free\*\*, and aids compliance with the following industry standards: IEC 61000-4-2 ESD (Min. Level 4), IEC 61000-4-4 EFT, and IEC 61000-4-5 Surge.

The product data sheet with detailed specifications and a cross reference search feature can be viewed on the Bourns website at [www.bourns.com](http://www.bourns.com).

### Features

- RoHS compliant\* and halogen free\*\*
- Surface mount package
- Breakdown voltage: 12 to 170 volts
- Typical temperature coefficient:  $\Delta V_{BR} = 0.1 \% \times V_{BR} @ 25^{\circ}C \times \Delta T$

\* RoHS Directive 2015/863, Mar 31, 2015 and Annex.

\*\*Bourns considers a product to be "halogen free" if (a) the Bromine (Br) content is 900 ppm or less; (b) the Chlorine (Cl) content is 900 ppm or less; and (c) the total Bromine (Br) and Chlorine (Cl) content is 1500 ppm or less.