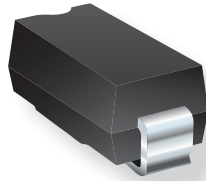


Product Update Memo

CHIP DIODES



May, 2015

Bourns Adds New High Voltage TVS Diode Products to the Model SMAJ, SMBJ and SMCJ Series

Bourns is pleased to announce the release of high voltage, 180 V to 440 V, unidirectional and bidirectional TVS diodes, extending the existing range of the Model SMAJ, SMBJ and SMCJ Series Transient Voltage Suppressor Diodes. The portable communications, computing and power equipment markets are challenging the semiconductor industry to develop increasingly higher voltage electronic components. Bourns offers Transient Voltage Suppressor Diodes for surge and ESD protection applications, in compact chip package size formats.

Series	Additional Standoff Voltage	Complete Range Standoff Voltage	Unidirectional / Bidirectional	Power Wattage
SMAJ	180 ~ 440 V	5 ~ 495 V	Yes	400 W
SMBJ				600 W
SMCJ				1500 W

The product data sheets with detailed specifications can be viewed on Bourns' website at www.bourns.com. See tables 1 - 3 for the new part numbers.

Implementation date is as follows:

*We will begin phasing in the new part numbers: **March, 2015***

Should you have any questions or need additional information, please contact [Customer Service/ Inside Sales](#).

**Table 1:
New SMAJ Series
Part Numbers**

Unidirectional Device	Bidirectional Device
SMAJ180A	SMAJ180CA
SMAJ200A	SMAJ200CA
SMAJ220A	SMAJ220CA
SMAJ250A	SMAJ250CA
SMAJ300A	SMAJ300CA
SMAJ350A	SMAJ350CA
SMAJ400A	SMAJ400CA
SMAJ440A	SMAJ440CA

**Table 2:
New SMBJ Series
Part Numbers**

Unidirectional Device	Bidirectional Device
SMAJ180A	SMAJ180CA
SMAJ200A	SMAJ200CA
SMAJ220A	SMAJ220CA
SMAJ250A	SMAJ250CA
SMAJ300A	SMAJ300CA
SMAJ350A	SMAJ350CA
SMAJ400A	SMAJ400CA
SMAJ440A	SMAJ440CA

**Table 3:
New SMCJ Series
Part Numbers**

Unidirectional Device	Bidirectional Device
SMAJ180A	SMAJ180CA
SMAJ200A	SMAJ200CA
SMAJ220A	SMAJ220CA
SMAJ250A	SMAJ250CA
SMAJ300A	SMAJ300CA
SMAJ350A	SMAJ350CA
SMAJ400A	SMAJ400CA
SMAJ440A	SMAJ440CA