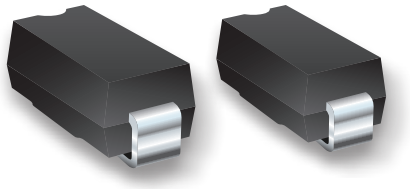

Bourns Announces the Expansion of the Model SMA6J, SMA6J-Q, SMBJ-Q, and P6SMB-Q Series TVS Diodes

Riverside, California – October 30, 2020 – Bourns is pleased to announce the voltage expansion of its 600 watt TVS diodes in both commercial grade and AEC-Q101 compliant, automotive grade. Manufacturers of power supply equipment, communications, data center and automotive components continue to challenge the semiconductor industry to provide broader voltages as well as superior quality components.

The Model SMA6J and SMA6J-Q TVS diode series are housed in an SMA package. The Model SMBJ-Q and P6SMB-Q TVS diode series are housed in an SMB package. All four models are well suited for DC power port protection due to their surge withstanding capability.

Series	Expanded Standoff Voltage	Complete Standoff Voltage Range	Uni / Bidirectional	Power Wattage
SMA6J	45 ~ 130 V 45 ~ 90 V	5 ~ 130 V 5 ~ 90 V	Yes	600 W
SMA6J-Q	45 ~ 130 V 45 ~ 90 V	5 ~ 130 V 5 ~ 90 V	Yes	600 W
SMBJ-Q	5 ~ 11 V 60 ~ 220 V	5 ~ 220 V	Yes	600 W
P6SMB-Q	5.8 ~ 11.1 V 64.1 ~ 214 V	5.8 ~ 214 V	Yes	600 W

Product data sheets with detailed specifications can be viewed on the Bourns website at www.bourns.com. Please visit www.bourns.com/products/diodes/diodes-aec-q101-compliant for more information on AEC-Q101 compliant TVS diodes.

If you have any questions or need additional information, please feel free to contact Customer Service/Inside Sales.

ESD2029

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Features

- Surface Mount SMA package (SMA6J, SMA6J-Q)
- Surface Mount SMB package (SMBJ-Q, P6SMB-Q)
- Power Dissipation: 600 watts
- RoHS compliant*
- AEC-Q101 compliant** (SMA6J-Q, SMBJ-Q, P6SMB-Q)

Applications

- Protection of power buses
- Protection of I/O interfaces
- Overvoltage transient protection
- Telecom, computer, industrial and consumer electronics applications

** RoHS Directive 2015/863, Mar 31, 2015 and Annex.*
*** "Q" part number suffix indicates AEC-Q101 compliancy.*