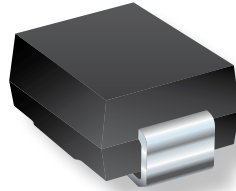




PRODUCT EXTENSION RELEASE

TVS DIODES



Bourns Adds New Voltages to the Model 5.0SMDJ-Q TVS Diode Series

Riverside, California – July 29, 2019 – Bourns is pleased to announce the release of unidirectional and bidirectional 5 V to 11 V, unidirectional 45 V to 170 V and bidirectional 45 V to 85 V TVS Diode models, extending the existing range of the [Model 5.0SMDJ-Q Series](#) Transient Voltage Suppressor Diodes. The table on page 2 lists the new products.

These AEC-Q101 compliant products are well suited for applications that require high reliability such as portable electronics, power supplies and equipment used in certain harsh environments.

Series	Additional Standoff Voltages	Complete Range of Standoff Voltages	Configuration	Power Wattage
5.0SMDJ-Q	5 ~ 11 V 45 ~ 170 V	5 ~ 170 V	Unidirectional	5000 W
	5 ~ 11 V 45 ~ 85 V	5 ~ 85 V	Bidirectional	

For more detailed product information, please visit bourns.com/products/diodes/tvs-diodes. Should you have any questions or need additional information, please contact [Customer Service/Inside Sales](#).

Features

- Surface mount package
- Standoff voltage: 5 to 170 volts (unidirectional); 5 to 85 volts (bidirectional)
- RoHS compliant*
- AEC-Q101 compliant**

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 compliance

Model 5.0SMDJ-Q Series			
Unidirectional Devices		Bidirectional Devices	
5.0SMDJ5.0A-Q	5.0SMDJ45A-Q	5.0SMDJ5.0CA-Q	5.0SMDJ45CA-Q
5.0SMDJ6.0A-Q	5.0SMDJ48A-Q	5.0SMDJ6.0CA-Q	5.0SMDJ48CA-Q
5.0SMDJ6.5A-Q	5.0SMDJ51A-Q	5.0SMDJ6.5CA-Q	5.0SMDJ51CA-Q
5.0SMDJ7.0A-Q	5.0SMDJ54A-Q	5.0SMDJ7.0CA-Q	5.0SMDJ54CA-Q
5.0SMDJ7.5A-Q	5.0SMDJ58A-Q	5.0SMDJ7.5CA-Q	5.0SMDJ58CA-Q
5.0SMDJ8.0A-Q	5.0SMDJ60A-Q	5.0SMDJ8.0CA-Q	5.0SMDJ60CA-Q
5.0SMDJ8.5A-Q	5.0SMDJ64A-Q	5.0SMDJ8.5CA-Q	5.0SMDJ64CA-Q
5.0SMDJ9.0A-Q	5.0SMDJ70A-Q	5.0SMDJ9.0CA-Q	5.0SMDJ70CA-Q
5.0SMDJ10A-Q	5.0SMDJ75A-Q	5.0SMDJ10CA-Q	5.0SMDJ75CA-Q
5.0SMDJ11A-Q	5.0SMDJ78A-Q	5.0SMDJ11CA-Q	5.0SMDJ78CA-Q
5.0SMDJ12A-Q	5.0SMDJ85A-Q	5.0SMDJ12CA-Q	5.0SMDJ85CA-Q
5.0SMDJ13A-Q	5.0SMDJ90A-Q	5.0SMDJ13CA-Q	
5.0SMDJ14A-Q	5.0SMDJ100A-Q	5.0SMDJ14CA-Q	
5.0SMDJ15A-Q	5.0SMDJ110A-Q	5.0SMDJ15CA-Q	
5.0SMDJ16A-Q	5.0SMDJ120A-Q	5.0SMDJ16CA-Q	
5.0SMDJ17A-Q	5.0SMDJ130A-Q	5.0SMDJ17CA-Q	
5.0SMDJ18A-Q	5.0SMDJ150A-Q	5.0SMDJ18CA-Q	
5.0SMDJ20A-Q	5.0SMDJ160A-Q	5.0SMDJ20CA-Q	
5.0SMDJ22A-Q	5.0SMDJ170A-Q	5.0SMDJ22CA-Q	
5.0SMDJ24A-Q		5.0SMDJ24CA-Q	
5.0SMDJ26A-Q		5.0SMDJ26CA-Q	
5.0SMDJ28A-Q		5.0SMDJ28CA-Q	
5.0SMDJ30A-Q		5.0SMDJ30CA-Q	
5.0SMDJ33A-Q		5.0SMDJ33CA-Q	
5.0SMDJ36A-Q		5.0SMDJ36CA-Q	
5.0SMDJ40A-Q		5.0SMDJ40CA-Q	
5.0SMDJ43A-Q		5.0SMDJ43CA-Q	

New devices in blue