

<b>NO:</b>	<b>REL-189</b>	<b>PRODUCT:</b>	<b>G3VM, VSON - MOSFET Relays</b>
<b>DATE:</b>	<b>March 2017</b>	<b>TYPE:</b>	<b>Modification – Characteristics Change</b>

## G3VM, VSON MOSFET Relays - MODIFICATION

### Ambient Operating Temperature and Dielectric Strength rating increase

Based on increasing market demand, Omron Relay and Devices Corporation has performed testing that allows us to increase the Maximum ambient operating temperature and Maximum dielectric strength ratings for **G3VM, VSON** MOSFET Relays. The testing shows that this change is possible without physical modification to the construction of the relays and this change will be effective as our production of **December 2016**.



The ambient operating temperature will increase as follows:  
From: -40 to +85 dec. C  
To : -40 to **+110** dec. C

Likewise, the dielectric strength will increase from:  
From : 300V rms  
To : **500V** rms

This change applies to all existing G3VM, VSON models. As a result, Omron Electronic Components’ datasheets have been modified in order to reflect this change. Furthermore, there will be no impact on base part numbers, other specifications or price as a result of this change.

#### Effective **As our production of December 2016**

The “Absolute Maximum Ratings” table will change to reflect the ambient operating temperature and dielectric strength ratings’ changes.

Dielectric strength between I/O (See note 1.)	V <sub>I-O</sub>	500	V <sub>rms</sub>	AC for 1 min
Ambient operating temperature	T <sub>a</sub>	-40 to <b>+110</b>	°C	With no icing or condensation
Ambient storage temperature	T <sub>stg</sub>	-40 to +125	°C	

**NOTE 1:** G3VM, **V**VSON MOSFET models include “**UR**” in the part number.

**NOTE 2:** G3VM, **S**VSON MOSFET models include “**QR**” in the part number. These models are rated with the same Maximum ambient operating temperature and Maximum dielectric strength ratings as the VSON MOSFET models.

\* Sales teams should communicate this discontinuation with their OEM’s and CEM’s.  
For further technical support and any questions, please communicate with Product Marketing.

Specifications in this product news are as of the issue date and are subject to change without notice.  
Only main changes in specifications are described in this document. Please be sure to read the relevant catalogs, datasheets, product specifications, instructions, and manuals for precautions and necessary information when using products.

Last time buy dates are subject to change based on availability