

## CERTIFICATE OF COMPLIANCE

### RoHS and REACH

**Supplier Name:** onsemi  
**Address:** 5701 N. Pima Rd. Scottsdale, AZ 85250  
**Tel.:** 602-244-5114

| onsemi Manufacturing Part Number | EU RoHS exemption | China RoHS                                                                          |
|----------------------------------|-------------------|-------------------------------------------------------------------------------------|
| 2N4403TF                         | No exemption      |  |

#### Compliant with EU RoHS Regulation (Directive 2011/65/EU) and RoHS Regulations 2012:GB

If exemption applies, it is indicated above.

- Exemption: 7a: Lead in high melting temperature type solders (i.e. lead based solder alloys containing 85% by weight or more lead).
- Exemption: 7c-I Electrical and electronic components containing lead in a glass or ceramic other than dielectric ceramic in capacitors, e.g. piezoelectronic devices, or in a glass or ceramic matrix compound.
- Exemption: 15 Lead in solders to complete a viable electrical connection between the semiconductor die and carrier within integrated circuit flip chip packages).

#### Does not contain phthalates DEHP, BBP, DBP and DIPB restricted by the Directive 2015/863/EU.

#### Compliant with EU RoHS Regulation (Directive 2011/65/EU) and RoHS Regulations 2012:GB

**onsemi** active products do not contain substances included in the Candidate List of Substances of Very High Concern (SVHC) included till the last published day with the exception of lead (Pb) and lead oxide (PbO), which are included in the June 2018 SVHC list. In such cases, the lead (Pb) and lead oxide (PbO) are RoHS exempted (see above).

\* Diboron trioxide was added to REACH as a Substance of Very High Concern (SVHC) on June 18, 2012. **onsemi** products in glass encapsulated packages may list Diboron trioxide as a constituent material in the glass encapsulation, in a concentration greater than 0.1%; REACH classifies glass as a substance of unknown or variable composition, complex reaction products or biological matter (UVCB) containing the elements silica, calcium, sodium, potassium, magnesium and other cautions bonded together with oxygen. In glass, these elements are bonded into a non-crystalline molecular structure with completely different properties than the starting material. Therefore, Diboron trioxide is not present in the finished **onsemi** product and does not require notification of the presents of a SVHC.

**onsemi** active products do not contain any of the substances included in Annex XIV and Annex XVII of the REACH directive EC 1907/2006.

The signature below verifies that the statements above, and those made in the afore mentioned spreadsheet, including but not limited to any material composition data, are valid and accurate.



#### Authorized representative of onsemi

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 Product Environmental Compliance Engineer  
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