

29 January 2020

**Certificate of Compliance to RoHS directive and
non-use of some specific substances**

We hereby certify that following product(s) **do not** contain environmentally hazardous substances listed in Table (2) exceeding each of the thresholds except exempted cases listed in Table (3), and comply with RoHS directive (European Union Directive 2011/65/EU and EU/2015/863).

(1) Product:

| Product Name | ALPS P/N |
|-----------------|------------|
| Humidity Sensor | HSHCAL101B |

(2) List of environmentally hazardous substances:

o RoHS directive

| Substance | Threshold |
|---------------------------|-----------|
| Cadmium | 100ppm |
| Lead | 1000ppm |
| Mercury | 1000ppm |
| Hexavalent Chromium | 1000ppm |
| PBB | 1000ppm |
| PBDE (including Deca-BDE) | 1000ppm |

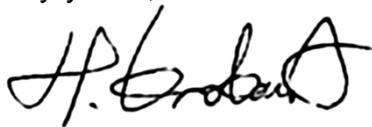
o Specific substances

| Substance | Threshold |
|-----------|-----------|
| DEHP | 1000ppm |
| BBP | 1000ppm |
| DBP | 1000ppm |
| DIBP | 1000ppm |

(3) List of RoHS exemption:

| Prod. Number | Parts Name | Substance | Content rate | Content weight | Exemption No. |
|--------------|---------------------------|-----------|--------------|----------------|---------------|
| HSHCAL101B | Resistor Electrode Top | Lead | 19500ppm | 0.000371mg | 7(c)-I |
| HSHCAL101B | Resistor Electrode Bottom | Lead | 6400ppm | 0.000051mg | 7(c)-I |
| HSHCAL101B | Resistor Resistive Film | Lead | 216000ppm | 0.001728mg | 7(c)-I |
| HSHCAL101B | Resistor Inner Coat | Lead | 276000ppm | 0.001932mg | 7(c)-I |

Sincerely yours,



Hidetoshi Kurokawa / 黒河 英俊
Senior Manager,
Engineering Administration Department
Engineering Headquarters
ALPS ALPINE CO.,LTD.