| Product   | LED         |
|-----------|-------------|
| Series    | SMLE1xBC/EC |
| Mass (mg) | 0.928000    |

The RoHS directive,REACH regulation,and other laws and regulations related to the management of environmentally hazardous substances come into effect. When developing products, the global environmental load must be considered. ROHM pursues green procurement and endeavors to increase the detection accuracy of chemicals contained in parts and procured materials while at the same time placing great importance on the internal chemical management system that was built to ensure that no prohibited substances are procured, used, or shipped in order to provide a steady supply of worry-free products.

OThis item is in compliance with RoHS.

|    | ————————————————————————————————————— |                    |                             |                       |                            |           |                               |   |  |  |
|----|---------------------------------------|--------------------|-----------------------------|-----------------------|----------------------------|-----------|-------------------------------|---|--|--|
| Nº |                                       | 伐材料<br>al Name     | 部位重量<br>Part Weight<br>(mg) | 物質名<br>Substance Name |                            | CAS №     | 含有量<br>Content Weight<br>(mg) | 含有率(%)<br>〈/.製品重量〉<br>Content per<br>Product Weight | 含有率(%)<br>〈/ 構成材料〉<br>Content per<br>Part Weight |  |
| 1  | 基板                                    | 基材                 | 0.440000                    | エポキシ樹脂                | Epoxy Resin                | -         | 0.067600                      | 7.2845  | 15.3636  |  |
|    | Substrate                             | Substrate Material |                             | ガラスクロス                | Glass Cloth                | -         | 0.058600                      | 6.3147  | 13.3182  |  |
|    |                                       | 端子処理               |                             | 銅                     | Copper(Cu)                 | 7440-50-8 | 0.260000                      | 28.0172   | 59.0909  |  |
|    |                                       | Electrode          |                             | チタン化合物                | Titanium Chemical Compound | -         | 0.014000                      | 1.5086  | 3.1818   |  |
|    |                                       |                    |                             | ニッケル                  | Nickel(Ni)                 | 7440-02-0 | 0.038689                      | 4.1691  | 8.7930   |  |
|    |                                       |                    |                             | 亜鉛                    | Zinc(Zn)                   | 7440-66-6 | 0.000010                      | 0.0011  | 0.0023   |  |
|    |                                       |                    |                             | 砒素                    | Arsenic(As)                | 7440-38-2 | 0.000001                      | 0.0001  | 0.0002   |  |
|    |                                       |                    |                             | 金                     | Gold(Au)                   | 7440-57-5 | 0.000300                      | 0.0323  | 0.0682   |  |
|    |                                       | レジスト               |                             | エポキシ樹脂                | Epoxy Resin                | -         | 0.000400                      | 0.0431  | 0.0909   |  |
|    |                                       | Resist Ink         |                             | 着色顔料                  | Dye                        | -         | 0.000400                      | 0.0431  | 0.0909   |  |
| 2  | ・<br>ダイボンディング材                        |                    | 0.050000                    | 銀                     | Silver(Ag)                 | 7440-22-4 | 0.040500                      | 4.3642  | 81.0000  |  |
|    | Die-Bonding Paste                     |                    |                             | ビスフェノールA型エポキシ樹脂       | Bisphenol A Epoxy Resin    | 9003-36-5 | 0.006000                      | 0.6466  | 12.0000  |  |
|    |                                       |                    |                             | その他                   | Other                      | -         | 0.003500                      | 0.3772  | 7.0000   |  |
| 3  | ボンディングワイヤ−<br>Bonding wire            |                    | 0.010000                    | 金                     | Gold(Au)                   | 7440-57-5 | 0.010000                      | 1.0776  | 100.0000   |  |
| 4  | 封止樹脂<br>Resin                         |                    | 0.417000                    | エポキシ樹脂                | Epoxy Resin                | -         | 0.417000                      | 44.9353   | 100.0000   |  |
| 5  | LED素子                                 |                    | 0.011000                    | 炭化シリコン                | Silicon carbide(SiC)       | 409-21-2  | 0.010700                      | 1.1530  | 97.2727  |  |
|    | LED Die                               |                    |                             | 金                     | Gold(Au)                   | 7440-57-5 | 0.000030                      | 0.0032  | 0.2727   |  |
|    |                                       |                    |                             | その他                   | Other                      | _         | 0.000270                      | 0.0291  | 2.4545   |  |
|    |                                       |                    |                             |                       | Total                      | -         | 0.928000                      | 100.0000  |  |  |

OPb free

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• This information provides estimates of the average weights and content of component materials. and does not include impurities or metals diffused in the silicon.

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