



List of Component

No. PN000287 Rev.A

Date 2020/08/23

| | |
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| Item | Transistor |
| Part No. | 2SCR512P5T100 |
| Product mass | 54.9731 mg |

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| Company Name | ROHM Co., Ltd. |
| Address | 21, Saiin Mizosaki-cho, Ukyo-ku, Kyoto 615-8585, Japan |

| No. | Part Name | Substance Name | CAS No. | Mass (mg) | Concentration (wt%) | Remark |
|-----|-----------------------------|------------------------------|------------|-----------|---------------------|----------------------|
| 1 | Mold compound | Silica | 60676-86-0 | 9.392627 | 37.50000 | |
| 2 | | Silica | 14808-60-7 | 8.766450 | 35.00000 | |
| 3 | | Epoxy resin | 29690-82-2 | 2.329370 | 9.30000 | |
| 4 | | Epoxy resin | 85954-11-6 | 0.175331 | 0.70000 | |
| 5 | | Phenol -formaldehyde | 9003-35-4 | 1.252348 | 5.00000 | |
| 6 | | Metal hydroxide | 21645-51-2 | 2.880404 | 11.50000 | |
| 7 | | Organic phosphorus compounds | - | 0.085159 | 0.34000 | |
| 8 | | CarbonBlack | 1333-86-4 | 0.165310 | 0.66000 | |
| 9 | Lead frame | Copper | 7440-50-8 | 27.302258 | 97.70000 | |
| 10 | | Iron | 7439-89-6 | 0.642734 | 2.30000 | |
| 11 | Leadframe surface treatment | Silver | 7440-22-4 | 0.240002 | 100.00000 | |
| 12 | External plating | Tin | 7440-31-5 | 0.764000 | 100.00000 | |
| 13 | Die | Silicon | 7440-21-3 | 0.632883 | 98.58000 | |
| 14 | | Nickel | 7440-02-0 | 0.005074 | 0.79000 | |
| 15 | | Silver | 7440-22-4 | 0.003018 | 0.47000 | |
| 16 | | Gold | 7440-57-5 | 0.001028 | 0.16000 | |
| 17 | Die attach (In) | Lead | 7439-92-1 | 0.297960 | 95.50000 | RoHS exemption :7(a) |
| 18 | | Tin | 7440-31-5 | 0.006239 | 2.00000 | |
| 19 | | Silver | 7440-22-4 | 0.007801 | 2.50000 | |
| 20 | Bonding wire | Copper | 7440-50-8 | 0.023104 | 100.00000 | |

Remarks

- All information in this document is furnished for exploratory or indicative purposes only.
- This information provides estimates of the average weights and content of component materials. And does not include impurities or metals diffused in the silicon.
- The contained volume/mass is a calculated value. For this reason, there are cases when the total volume/mass may differ from the product volume/mass.
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