



List of Component

No. PN000251 Rev.A

Date 2020/08/23

| | |
|--------------|-------------|
| Item | Transistor |
| Part No. | RS1E280GNTB |
| Product mass | 96.2 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 | 30.979209 | 87.15000 | |
| 2 | | Epoxy resin | - | 2.666029 | 7.50000 | |
| 3 | | Phenol-formaldehyde resin | - | 1.777353 | 5.00000 | |
| 4 | | CarbonBlack | 1333-86-4 | 0.124415 | 0.35000 | |
| 5 | Lead frame | Copper | 7440-50-8 | 45.383524 | 97.65000 | |
| 6 | | Iron | 7439-89-6 | 1.092178 | 2.35000 | |
| 7 | Leadframe surface treatment | Silver | 7440-22-4 | 0.016999 | 100.00000 | |
| 8 | External plating | Tin | 7440-31-5 | 1.188503 | 100.00000 | |
| 9 | Die | Silicon | 7440-21-3 | 3.635831 | 97.58000 | |
| 10 | | Nickel | 7440-02-0 | 0.048062 | 1.29000 | |
| 11 | | Silver | 7440-22-4 | 0.029812 | 0.80000 | |
| 12 | | Gold | 7440-57-5 | 0.012294 | 0.33000 | |
| 13 | Die attach (In) | Lead | 7439-92-1 | 6.961946 | 95.50000 | RoHS exemption :7(a) |
| 14 | | Tin | 7440-31-5 | 0.145801 | 2.00000 | |
| 15 | | Silver | 7440-22-4 | 0.182251 | 2.50000 | |
| 16 | Bonding wire | Gold | 7440-57-5 | 0.011804 | 100.00000 | |
| 17 | Bonding wire | Aluminum | 7429-90-5 | 1.943989 | 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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