



# List of Component

No. PN000219 Rev.A

Date 2020/08/23

|              |            |
|--------------|------------|
| Item         | Transistor |
| Part No.     | QS8J4TR    |
| Product mass | 18.5254 mg |

|              |   |
|--------------|---|
| 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 | 8.020844  | 88.50000            |        |
| 2   |                             | Epoxy resin    | -          | 0.552850  | 6.10000             |        |
| 3   |                             | Phenol resin   | -          | 0.461312  | 5.09000             |        |
| 4   |                             | CarbonBlack    | 1333-86-4  | 0.028096  | 0.31000             |        |
| 5   | Lead frame                  | Copper         | 7440-50-8  | 8.061630  | 99.90000            |        |
| 6   |                             | Iron           | 7439-89-6  | 0.008070  | 0.10000             |        |
| 7   | Leadframe surface treatment | Silver         | 7440-22-4  | 0.264800  | 100.00000           |        |
| 8   | External plating            | Tin            | 7440-31-5  | 0.124559  | 98.00000            |        |
| 9   |                             | Copper         | 7440-50-8  | 0.002542  | 2.00000             |        |
| 10  | Die                         | Silicon        | 7440-21-3  | 0.681109  | 97.58000            |        |
| 11  |                             | Nickel         | 7440-02-0  | 0.009003  | 1.29000             |        |
| 12  |                             | Silver         | 7440-22-4  | 0.005584  | 0.80000             |        |
| 13  |                             | Gold           | 7440-57-5  | 0.002303  | 0.33000             |        |
| 14  | Die attach (In)             | Silver         | 7440-22-4  | 0.024859  | 83.70000            |        |
| 15  |                             | Epoxy resin    | 9003-36-5  | 0.004841  | 16.30000            |        |
| 16  | Bonding wire                | Gold           | 7440-57-5  | 0.272998  | 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.
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