



## List of Component

No. PN000087\_Rev.A

Date 2021/04/23

|              |                 |
|--------------|-----------------|
| Item         | Diode           |
| Part No.     | RB578VYM100FHTR |
| Product mass | 5.44 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   | Capacitor element           | Silicon              | 7440-21-3  | 0.171002  | 97.16000            |        |
| 2   |                             | Silver               | 7440-22-4  | 0.004998  | 2.84000             |        |
| 3   | Lead frame                  | Copper               | 7440-50-8  | 2.774123  | 99.90000            |        |
| 4   |                             | Iron                 | 7439-89-6  | 0.002777  | 0.10000             |        |
| 5   | Bonding Wire                | Gold                 | 7440-57-5  | 0.033001  | 100.00000           |        |
| 6   | Die attach                  | Silver               | 7440-22-4  | 0.059329  | 85.86000            |        |
| 7   |                             | Epoxy resin          | -          | 0.008009  | 11.59000            |        |
| 8   |                             | Phenol resin         | -          | 0.001762  | 2.55000             |        |
| 9   | External plating            | Tin                  | 7440-31-5  | 0.150500  | 100.00000           |        |
| 10  | Leadframe surface treatment | Silver               | 7440-22-4  | 0.071800  | 100.00000           |        |
| 11  | Mold compound               | Silica               | 60676-86-0 | 1.535429  | 70.99593            |        |
| 12  |                             | Epoxy resin          | 29690-82-2 | 0.216290  | 10.00092            |        |
| 13  |                             | Epoxy resin          | 85954-11-6 | 0.043298  | 2.00203             |        |
| 14  |                             | Phenol -formaldehyde | -          | 0.129794  | 6.00148             |        |
| 15  |                             | Aluminum hydroxide   | 21645-51-2 | 0.227090  | 10.50028            |        |
| 16  |                             | CarbonBlack          | 1333-86-4  | 0.010798  | 0.49936             |        |

### 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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