



List of Component

No. PN000270 Rev.A

Date 2020/08/23

| | |
|--------------|------------|
| Item | Transistor |
| Part No. | QSSU12TR |
| Product mass | 13.5 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 | 4.699611 | 82.84172 | |
| 2 | | Epoxy resin | - | 0.411252 | 7.24928 | |
| 3 | | Phenol resin | - | 0.411252 | 7.24928 | |
| 4 | | Epoxy resin bromide | - | 0.058994 | 1.03990 | |
| 5 | | Antimony trioxide | 1309-64-4 | 0.029496 | 0.51995 | |
| 6 | | Organic phosphorus compounds | - | 0.044812 | 0.78992 | |
| 7 | | Bismuth compounds | - | 0.017584 | 0.30995 | |
| 8 | Lead frame | Copper | 7440-50-8 | 6.971222 | 99.90000 | |
| 9 | | Iron | 7439-89-6 | 0.006978 | 0.10000 | |
| 10 | Leadframe surface treatment | Silver | 7440-22-4 | 0.125800 | 100.00000 | |
| 11 | External plating | Tin | 7440-31-5 | 0.191071 | 96.50000 | |
| 12 | | Silver | 7440-22-4 | 0.005940 | 3.00000 | |
| 13 | | Copper | 7440-50-8 | 0.000990 | 0.50000 | |
| 14 | Die | Silicon | 7440-21-3 | 0.350784 | 97.44000 | |
| 15 | | Nickel | 7440-02-0 | 0.005112 | 1.42000 | |
| 16 | | Silver | 7440-22-4 | 0.003096 | 0.86000 | |
| 17 | | Gold | 7440-57-5 | 0.001008 | 0.28000 | |
| 18 | Die attach (In) | Silver | 7440-22-4 | 0.035154 | 83.70000 | |
| 19 | | Epoxy resin | 9003-36-5 | 0.006846 | 16.30000 | |
| 20 | Bonding wire | Gold | 7440-57-5 | 0.122998 | 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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