List of Component

No. PN000255_Rev.A

Date 2020/08/23

Item	Transistor
Part No.	RSJ400N10FRATL
Product mass	1446.2151 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	14808-60-7	380.980782	80.63000	
2		Epoxy resin	29690-82-2	49.471258	10.47000	
3		Phenol-formaldehyde resin	-	34.634682	7.33000	
4		Epoxy resin bromide	-	4.961241	1.05000	
5		Antimony trioxide	1309-64-4	2.456975	0.52000	
6	Lead frame	Copper	7440-50-8	935.126733	99.90000	
7		Iron	7439-89-6	0.936135	0.10000	
8	Leadframe surface treatment	Nickel	7440-02-0	0.087062	100.00000	
9	External plating	Tin	7440-31-5	6.278887	98.00000	
10		Copper	7440-50-8	0.128135	2.00000	
11	Die	Silicon	7440-21-3	17.578745	98.47985	
12		Nickel	7440-02-0	0.148237	0.83008	
13		Silver	7440-22-4	0.085761	0.48005	
14		Gold	7440-57-5	0.037457	0.21002	
15	Die attach（In）	Lead	7439-92-1	10.507765	95.50000	RoHS exemption :7(a)
16		Tin	7440-31-5	0.220114	2.00000	
17		Silver	7440-22-4	0.275070	2.50000	
18	Bonding wire	Aluminum	7429-90-5	2.300061	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.
- ROHM strives for the accuracy of the information,
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Notes

1) The information contained herein is subject to change without notice.

2) Before you use our Products, please contact our sales representative and verify the latest specifications :

3) Although ROHM is continuously working to improve product reliability and quality, semiconductors can break down and malfunction due to various factors.
Therefore, in order to prevent personal injury or fire arising from failure, please take safety measures such as complying with the derating characteristics, implementing redundant and fire prevention designs, and utilizing backups and fail-safe procedures. ROHM shall have no responsibility for any damages arising out of the use of our Poducts beyond the rating specified by ROHM.

4) Examples of application circuits, circuit constants and any other information contained herein are provided only to illustrate the standard usage and operations of the Products. The peripheral conditions must be taken into account when designing circuits for mass production.

5) The technical information specified herein is intended only to show the typical functions of and examples of application circuits for the Products. ROHM does not grant you, explicitly or implicitly, any license to use or exercise intellectual property or other rights held by ROHM or any other parties. ROHM shall have no responsibility whatsoever for any dispute arising out of the use of such technical information.

6) The Products are intended for use in general electronic equipment (i.e. AV/OA devices, communication, consumer systems, gaming/entertainment sets) as well as the applications indicated in this document.

7) The Products specified in this document are not designed to be radiation tolerant.

8) For use of our Products in applications requiring a high degree of reliability (as exemplified below), please contact and consult with a ROHM representative : transportation equipment (i.e. cars, ships, trains), primary communication equipment, traffic lights, fire/crime prevention, safety equipment, medical systems, servers, solar cells, and power transmission systems.

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10) ROHM shall have no responsibility for any damages or injury arising from non-compliance with the recommended usage conditions and specifications contained herein.

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