



List of Component

No. PN000255 Rev.A

Date 2020/08/23

Item	Transistor
Part No.	RSJ451N04FRATL
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.
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