



List of Component

No. PN000270 Rev.A

Date 2020/08/23

Item	Transistor
Part No.	QSSU23TR
Product mass	13.5 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	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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