



List of Component

No. PN000207_Rev.A

Date 2020/08/23

Item	Transistor
Part No.	2SAR542PFRAT100
Product mass	55 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	18.255402	72.88458	
2		Epoxy resin	29690-82-2	3.802898	15.18304	
3		Phenol -formal dehyde	9003-35-4	1.901449	7.59152	
4		Epoxy resin bromide	-	0.506050	2.02040	
5		Antimony trioxide	1309-64-4	0.506050	2.02040	
6		Organic phosphorus compounds	-	0.075158	0.30006	
7	Lead frame	Copper	7440-50-8	27.302258	97.70000	
8		Iron	7439-89-6	0.642736	2.30000	
9	Leadframe surface treatment	Silver	7440-22-4	0.239998	100.00000	
10	External plating	Tin	7440-31-5	0.748720	98.00000	
11		Copper	7440-50-8	0.015279	2.00000	
12	Die	Silicon	7440-21-3	0.632880	98.58000	
13		Nickel	7440-02-0	0.005071	0.79000	
14		Silver	7440-22-4	0.003020	0.47000	
15		Gold	7440-57-5	0.001028	0.16000	
16	Die attach (In)	Lead	7439-92-1	0.297957	95.50000	RoHS exemption :7(a)
17		Tin	7440-31-5	0.006242	2.00000	
18		Silver	7440-22-4	0.007799	2.50000	
19	Bonding wire	Gold	7440-57-5	0.050005	100.00000	

Remarks

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- 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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