



List of Component

No. PN000240 Rev.A

Date 2020/08/23

Item	Transistor
Part No.	QX22TR
Product mass	14 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	4.620640	82.85171	
2		Epoxy resin	-	0.404292	7.24928	
3		Phenol resin	-	0.404292	7.24928	
4		Epoxy resin bromide	-	0.057995	1.03990	
5		Antimony trioxide	1309-64-4	0.028998	0.51995	
6		Organic phosphorus compounds	-	0.043497	0.77992	
7		Bismuth compounds	-	0.017286	0.30996	
8	Lead frame	Copper	7440-50-8	7.393701	99.90000	
9		Iron	7439-89-6	0.007400	0.10000	
10	Leadframe surface treatment	Silver	7440-22-4	0.121899	100.00000	
11	External plating	Tin	7440-31-5	0.226485	96.50000	
12		Silver	7440-22-4	0.007041	3.00000	
13		Copper	7440-50-8	0.001173	0.50000	
14	Die	Silicon	7440-21-3	0.471808	97.28000	
15		Nickel	7440-02-0	0.007081	1.46000	
16		Silver	7440-22-4	0.004123	0.85000	
17		Gold	7440-57-5	0.001988	0.41000	
18	Die attach (In)	Silver	7440-22-4	0.047961	83.70000	
19		Epoxy resin	9003-36-5	0.009339	16.30000	
20	Bonding wire	Gold	7440-57-5	0.123001	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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