List of Component

No. PN000239_Rev.A

Date 2020/08/23

Item	Transistor
Part No.	R6004KNX
Product mass	1870.666 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	807.316778	76.24000	
2		Epoxy resin	29690-82-2	129.081753	12.19000	
3		Phenol -formal dehyde	9003-35-4	75.288882	7.11000	
4		Brominated Epoxy Resin	40039-93-8	21.496010	2.03000	
5		Antimony trioxide	1309-64-4	21.496010	2.03000	
6		Organic phosphorus compounds	-	3.282645	0.31000	
7		Bismuth compounds	-	0.953104	0.09000	
8	Lead frame	Copper	7440-50-8	777.686551	99.90000	
9		Iron	7439-89-6	0.778384	0.10000	
10	External plating	Tin	7440-31-5	8.131972	96.50000	
11		Silver	7440-22-4	0.252727	3.00000	
12		Copper	7440-50-8	0.042090	0.50000	
13	Die	Silicon	7440-21-3	16.896042	98.45015	
14		Nickel	7440-02-0	0.144228	0.83992	
15		Silver	7440-22-4	0.085864	0.49995	
16		Gold	7440-57-5	0.036104	0.20998	
17	Die attach（In）	Tin	7440-31-5	5.741822	96.50000	
18		Antimony	7440-36-0	0.208205	3.50000	
19	Bonding wire	Aluminum	7429-90-5	1.746829	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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Notes

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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.
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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.

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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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