List of Component

No. PN000287_Rev.A

Date 2020/08/23

Item	Transistor
Part No.	2SAR544P5T100
Product mass	54.9731 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	9.392627	37.50000	
2		Silica	14808-60-7	8.766450	35.00000	
3		Epoxy resin	29690-82-2	2.329370	9.30000	
4		Epoxy resin	85954-11-6	0.175331	0.70000	
5		Phenol -formal dehyde	9003-35-4	1.252348	5.00000	
6		Metal hydroxide	21645-51-2	2.880404	11.50000	
7		Organic phosphorus compounds	-	0.085159	0.34000	
8		CarbonBlack	1333-86-4	0.165310	0.66000	
9	Lead frame	Copper	7440-50-8	27.302258	97.70000	
10		Iron	7439-89-6	0.642734	2.30000	
11	Leadframe surface treatment	Silver	7440-22-4	0.240002	100.00000	
12	External plating	Tin	7440-31-5	0.764000	100.00000	
13	Die	Silicon	7440-21-3	0.632883	98.58000	
14		Nickel	7440-02-0	0.005074	0.79000	
15		Silver	7440-22-4	0.003018	0.47000	
16		Gold	7440-57-5	0.001028	0.16000	
17	Die attach（In）	Lead	7439-92-1	0.297960	95.50000	RoHS exemption :7(a)
18		Tin	7440-31-5	0.006239	2.00000	
19		Silver	7440-22-4	0.007801	2.50000	
20	Bonding wire	Copper	7440-50-8	0.023104	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.
- ROHM strives for the accuracy of the information,
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  and shall have no liability for the consequences of use of such information.
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Notes

1) The information contained herein is subject to change without notice.

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.
Therefore, in order to prevent personal injury or fire arising from failure, please take safety measures such as complying with the derating characteristics, implementing redundant and fire prevention designs, and utilizing backups and fail-safe procedures. ROHM shall have no responsibility for any damages arising out of the use of our Poducts beyond the rating specified by ROHM.

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.

5) The technical information specified herein is intended only to show the typical functions of and examples of application circuits for the Products. ROHM does not grant you, explicitly or implicitly, any license to use or exercise intellectual property or other rights held by ROHM or any other parties. ROHM shall have no responsibility whatsoever for any dispute arising out of the use of such technical information.

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.

9) Do not use our Products in applications requiring extremely high reliability, such as aerospace equipment, nuclear power control systems, and submarine repeaters.

10) ROHM shall have no responsibility for any damages or injury arising from non-compliance with the recommended usage conditions and specifications contained herein.

11) ROHM has used reasonable care to ensur the accuracy of the information contained in this document. However, ROHM does not warrants that such information is error-free, and ROHM shall have no responsibility for any damages arising from any inaccuracy or misprint of such information.

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