List of Component

No. PN000081_Rev.A

Date 2020/11/30

Item	Capacitor Tantalum chip capacitor
Part No.	TCT series AL case
Product mass	29 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	Epoxy resin	-	0.093684	10.00100	
2		Phenol novolak	-	0.051521	5.50000	
3		Organic phosphorus compounds	-	0.000328	0.03500	
4		Metal hydroxide	-	0.177982	19.00000	
5		Carbon	-	0.000937	0.10000	
6		dye	-	0.000226	0.02400	
7		Silica	60676-86-0	0.610201	65.14000	
8		Chromium(trivalent)	-	0.001873	0.20000	
9	Lead frame	Iron	7439-89-6	2.424194	58.00000	
10		Nickel	7440-02-0	1.755448	42.00000	
11	Leadframe surface treatment	Copper	7440-50-8	0.608072	100.00000	
12	External surface coating	Tin	7440-31-5	0.202655	97.87000	
13		Copper	7440-50-8	0.004411	2.13000	
14	Capacitor element	Tantalum	7440-25-7	17.838193	78.67000	
15		Manganese dioxide	1313-13-9	3.460161	15.26000	
16		Carbon	-	0.090698	0.40000	
17		Silver	7440-22-4	0.707452	3.12000	
18		Copper	7440-50-8	0.462564	2.04000	
19		Aromatic polyamide resin	-	0.115640	0.51000	
20	Inhibitor for absorption	FEP	25067-11-2	0.387246	100.00000	
21	Conductive adhesive	Silver	7440-22-4	0.003579	55.00000	
22		Copper	7440-50-8	0.002340	36.00000	
23		Epoxy resin	-	0.000389	6.00000	
24		Phenol resin	-	0.000206	3.00000	

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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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.
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.

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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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