



List of Component

No. PN001482 Rev.A

Date 2021/04/21

Item	Diode
Part No.	DA228UMTL
Product mass	4.4313 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	Bonding wire	Gold	7440-57-5	0.009400	100.00000	
2	Leadframe surface treatment	Copper	7440-50-8	0.115800	100.00000	
3	Mold compound	Silica	60676-86-0	2.334242	71.00356	
4		Epoxy resin	29690-82-2	0.328720	9.99909	
5		Epoxy resin	85954-11-6	0.065704	1.99860	
6		Phenol -formaldehyde	9003-35-4	0.197212	5.99884	
7		Aluminum hydroxide	21645-51-2	0.345221	10.50102	
8		CarbonBlack	1333-86-4	0.016401	0.49889	
9	External plating	Tin	7440-31-5	0.083800	100.00000	
10	Die	Silicon	7440-21-3	0.076800	94.11765	
11		Gold	7440-57-5	0.004800	5.88235	
12	Lead frame	Iron	7439-89-6	0.494900	58.00516	
13		Nickel	7440-02-0	0.358300	41.99484	

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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