



List of Component

No. PN000286 Rev.A

Date 2020/08/23

Item	Diode
Part No.	VS12VUA1LAMTFTR
Product mass	45.973 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	14.018400	74.25000	
2		Epoxy resin I	-	1.774719	9.40000	
3		Epoxy resin II	-	0.556958	2.95000	
4		Metal hydroxide	21645-51-2	2.473278	13.10000	
5		CarbonBlack	1333-86-4	0.056639	0.30000	
6	Lead frame	Copper	7440-50-8	24.403052	97.62000	
7		Iron	7439-89-6	0.549957	2.20000	
8		Zinc	7440-66-6	0.037496	0.15000	
9		Phosphorus	7723-14-0	0.007498	0.03000	
10	External plating	Tin	7440-31-5	0.610002	100.00000	
11	Die	Silicon	7440-21-3	0.622957	71.44000	
12		Silver	7440-22-4	0.249045	28.56000	
13	Die attach (In)	Lead	7439-92-1	0.573155	93.50000	
14		Tin	7440-31-5	0.030650	5.00000	
15		Silver	7440-22-4	0.009194	1.50000	

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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