

Product	LED
Series	SMLZNXBG
Mass (mg)	32.2731500

The RoHS directive, REACH regulation, and other laws and regulations related to the management of environmentally hazardous substances come into effect. When developing products, the global environmental load must be considered. ROHM pursues green procurement and endeavors to increase the detection accuracy of chemicals contained in parts and procured materials while at the same time placing great importance on the internal chemical management system that was built to ensure that no prohibited substances are procured, used, or shipped in order to provide a steady supply of worry-free products.

○ This item is in compliance with RoHS.

○ Pb free

製品本体 Product									
No	構成材料 Material Name		部位重量 Part Weight (mg)	物質名 Substance Name	CAS No	含有量 Content Weight (mg)	含有率(%) (製品重量) Content per Product Weight	含有率(%) (構成材料) Content per Part Weight	
1	インサートフレーム Insert Flame	樹脂 Resin	29.700000	ポリフタルアミド	Poly phthalate Amide	25776-72-1	0.0900000	0.2788696	0.3030
				ガラス繊維	Fiber Glass	65997-17-3	0.0270000	0.0836609	0.0909
				酸化チタン	Titanium oxide (TiO ₂)	13463-67-7	0.0170000	0.0526754	0.0572
		母材 Parent metal		銅	Copper (Cu)	7440-50-8	28.7730000	89.1546068	96.8788
				鉄	Iron (Fe)	7439-89-6	0.6630000	2.0543393	2.2323
				亜鉛	Zinc (Zn)	7440-66-6	0.0340000	0.1053507	0.1145
				リン	Phosphorus (P)	7723-14-0	0.0090000	0.0278870	0.0303
				銀	Silver (Ag)	7440-22-4	0.0870000	0.2695739	0.2929
2	ダイボンディング材 Die-Bonding Paste	0.050000	銀	Silver (Ag)	7440-22-4	0.0405000	0.1254913	81.0000	
			ビスフェノールA型エポキシ樹脂	Bisphenol A Epoxy Resin	9003-36-5	0.0060000	0.0185913	12.0000	
			その他	Other	-	0.0035000	0.0108449	7.0000	
3	ダイボンディング材 Die-Bonding Paste	0.050000	エポキシ樹脂	Epoxy Resin	-	0.0250000	0.0774638	50.0000	
			シリコン樹脂	Silicone Resin	-	0.0250000	0.0774638	50.0000	
4	ボンディングワイヤー Bonding wire	0.010000	金	Gold (Au)	7440-57-5	0.0100000	0.0309855	100.0000	
5	封止樹脂 Resin	2.427850	シリコン樹脂	Silicone Resin	-	2.4278500	7.5228170	100.0000	
6	LED素子 LED Die	0.035000	サファイア	Sapphire (Al ₂ O ₃)	1344-28-1	0.0340460	0.1054933	97.2743	
			金	Gold (Au)	7440-57-5	0.0000950	0.0002944	0.2714	
			その他	Other	-	0.0008590	0.0026617	2.4543	
7	Di素子 Di Die	0.000300	シリコン	Silicone (Si)	7440-21-3	0.0002996	0.0009283	99.8667	
			金	Gold (Au)	7440-57-5	0.0000003	0.0000009	0.1000	
			その他	others	-	0.0000001	0.0000003	0.0333	
Total					-	32.2731500	100.0000000		

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- This information provides estimates of the average weights and content of component materials and does not include impurities or metals diffused in the silicon.
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