

Product	LED
Series	SML-Z1x
Mass (mg)	32.260000

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	0.2790	0.3030
				ガラス繊維	Fiber Glass	65997-17-3	0.0270000	0.0837	0.0909
	酸化チタン			Titanium oxide (TiO <sub>2</sub> )	13463-67-7	0.0170000	0.0527	0.0572	
	母材 Parent metal	銅		Copper (Cu)	7440-50-8	28.7730000	89.1909	96.8788	
		鉄		Iron (Fe)	7439-89-6	0.6630000	2.0552	2.2323	
		亜鉛		Zinc (Zn)	7440-66-6	0.0340000	0.1054	0.1145	
		リン		Phosphorus (P)	7723-14-0	0.0090000	0.0279	0.0303	
		銀		Silver (Ag)	7440-22-4	0.0870000	0.2697	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	0.1255	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	0.0186	12.0000	
			その他	Other	-	0.0035000	0.0108	7.0000	
3	ボンディングワイヤー Bonding wire	0.010000	金	Gold (Au)	7440-57-5	0.0100000	0.0310	100.0000	
4	封止樹脂 Resin	2.440000	シリコン樹脂	Silicone Resin	-	2.4400000	7.5635	100.0000	
5	LED素子 LED Die	0.060000	ガリウム	Gallium (Ga)	7440-55-3	0.0351000	0.1088	58.5000	
			砒素	Arsenic (As)	7440-38-2	0.0230000	0.0713	38.3333	
			インジウム	Indium (In)	7440-74-6	0.0004000	0.0012	0.6667	
			アルミニウム	Aluminum (Al)	7429-90-5	0.0002000	0.0006	0.3333	
			リン	Phosphorus (P)	7723-14-0	0.0004000	0.0012	0.6667	
			金	Gold (Au)	7440-57-5	0.0005000	0.0015	0.8333	
			その他	Other	-	0.0004000	0.0012	0.6667	
Total					-	32.260000	100.0000		

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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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