

Product	LED
Series	SML-D1x
Mass (mg)	1.332770

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	基板 Substrate	基材 Substrate Material	0.762770	エポキシ樹脂 Epoxy Resin	—	0.110000	8.2535	14.4211
				ガラスクロス Glass Cloth	—	0.097000	7.2781	12.7168
		端子処理 Electrode		銅 Copper(Cu)	7440-50-8	0.425500	31.9260	55.7835
				クロム及び3価クロム化合物 Chromium Chemical Compound	—	0.000200	0.0150	0.0262
				ニッケル Nickel(Ni)	7440-02-0	0.120000	9.0038	15.7321
		レジスト Resist Ink		亜鉛 Zinc(Zn)	7440-66-6	0.001000	0.0750	0.1311
				砒素 Arsenic(As)	7440-38-2	0.000070	0.0053	0.0092
				金 Gold(Au)	7440-57-5	0.005000	0.3752	0.6555
				エポキシ樹脂 Epoxy Resin	—	0.002000	0.1501	0.2622
				着色顔料 Dye	—	0.002000	0.1501	0.2622
2	ダイボンディング材 Die-Bonding Paste	0.050000	銀 Silver(Ag)	7440-22-4	0.040500	3.0388	81.0000	
			ビスフェノールA型エポキシ樹脂 Bisphenol A Epoxy Resin	9003-36-5	0.006000	0.4502	12.0000	
			その他 Other	-	0.003500	0.2626	7.0000	
3	ボンディングワイヤー Bonding wire	0.010000	金 Gold(Au)	7440-57-5	0.010000	0.7503	100.0000	
4	封止樹脂 Resin	0.470000	ビスフェノールAジグリシジルエーテル Bisphenol A diglycidyl ether(BADGE)	25068-38-6	0.354850	26.6250	75.5000	
			二酸化珪素 Silicon dioxide(SiO2)	60676-86-0	0.069090	5.1839	14.7000	
			その他 Other	—	0.046060	3.4560	9.8000	
5	LED素子 LED Die	0.040000	ガリウム Gallium(Ga)	7440-55-3	0.023200	1.7407	58.0000	
			砒素 Arsenic(As)	7440-38-2	0.015200	1.1405	38.0000	
			インジウム Indium(In)	7440-74-6	0.000300	0.0225	0.7500	
			アルミニウム Aluminum(Al)	7429-90-5	0.000100	0.0075	0.2500	
			リン Phosphorus(P)	7723-14-0	0.000300	0.0225	0.7500	
			金 Gold(Au)	7440-57-5	0.000500	0.0375	1.2500	
			その他 Other	—	0.000400	0.0300	1.0000	
Total					—	1.332770	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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