

Product	LED
Series	SML-S13x
Mass (mg)	7.657034

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		部位重量 Weight (mg)	物質名 Substance Name	CAS No	含有量 Weight (mg)	含有率(%) (vs. 製品重量) Portion vs. Products	含有率(%) (vs. 構成材料) Portion vs. Part Name
1	基板 Substrate	基材 Substrate Material	エポキシ樹脂 Epoxy Resin	—	1.810000	23.6384	49.4937
			ガラスクロス Glass Cloth	—	1.490000	19.4592	40.7434
	端子処理 Electrode	銅 Copper(Cu)	銅 Copper(Cu)	7440-50-8	0.260000	3.3956	7.1096
			チタン化合物 Titanium Chemical Compound	—	0.000006	0.0001	0.0002
			ニッケル Nickel(Ni)	7440-02-0	0.020000	0.2612	0.5469
			亜鉛 Zinc(Zn)	7440-66-6	0.075000	0.9795	2.0508
			砒素 Arsenic(As)	7440-38-2	0.000020	0.0003	0.0005
			金 Gold(Au)	7440-57-5	0.000008	0.0001	0.0002
	レジスト Resist	エポキシ樹脂 Epoxy Resin	エポキシ樹脂 Epoxy Resin	—	0.001000	0.0131	0.0273
			着色顔料 Dye	—	0.001000	0.0131	0.0273
2	ダイボンディング材 Die-Bonding Paste	0.050000	銀 Silver(Ag)	7440-22-4	0.040500	0.5289	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	0.0784	12.0000
			その他 Other	-	0.003500	0.0457	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	0.1306	100.0000
4	封止樹脂 Resin	3.900000	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	3.900000	50.9336	100.0000
5	LED素子 LED Die	0.040000	ガリウム Gallium(Ga)	7440-55-3	0.023200	0.3030	58.0000
			砒素 Arsenic(As)	7440-38-2	0.015200	0.1985	38.0000
			インジウム Indium(In)	7440-74-6	0.000300	0.0039	0.7500
			アルミニウム Aluminum(Al)	7429-90-5	0.000100	0.0013	0.2500
			リン Phosphorus(P)	7723-14-0	0.000300	0.0039	0.7500
			金 Gold(Au)	7440-57-5	0.000500	0.0065	1.2500
			その他 Other	—	0.000400	0.0052	1.0000
Total				—	7.657034	100.0000	

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