

Product	LED
Series	SML-522Mx8W
Mass (mg)	1.733000

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	0.844000	無機フィラー Inorganic Filler	13463-67-7	0.020000	1.1541	2.3697
				ガラスクロス Glass Cloth	65997-17-3	0.100000	5.7703	11.8483
				ビスmaleimide-トリアジン樹脂 / エポキシ樹脂硬化物 Bismaleimide triazine resin / epoxy resin	—	0.066000	3.8084	7.8199
		端子処理 Electrode		銅 Copper(Cu)	7440-50-8	0.396000	22.8505	46.9194
				ニッケル Nickel(Ni)	7440-02-0	0.020000	1.1541	2.3697
				金 Gold(Au)	7440-57-5	0.003000	0.1731	0.3555
				エポキシ系樹脂 Epoxy Resin	—	0.120000	6.9244	14.2180
		レジスト Resist Ink		光重合開始剤 Photopolymerization primer	—	0.020000	1.1541	2.3697
				顔料 Dye	—	0.090000	5.1933	10.6635
				添加剤 Additive	—	0.009000	0.5193	1.0664
2	ダイボンディング材 Die-Bonding Paste	0.100000	銀 Silver(Ag)	7440-22-4	0.081000	4.6740	81.0000	
			ビスフェノールA型エポキシ樹脂 Bisphenol A Epoxy Resin	9003-36-5	0.012000	0.6924	12.0000	
			その他 Other	-	0.007000	0.4039	7.0000	
3	ボンディングワイヤー Bonding wire	0.020000	金 Gold(Au)	7440-57-5	0.020000	1.1541	100.0000	
4	封止樹脂 Resin	0.760000	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	0.573800	33.1102	75.5000	
			二酸化珪素 Silicon dioxide(SiO2)	60676-86-0	0.111720	6.4466	14.7000	
			その他 Other	—	0.074480	4.2977	9.8000	
5	LED素子 LED Die	0.004500	ガリウム Gallium(Ga)	7440-55-3	0.002610	0.1506	58.0000	
			砒素 Arsenic(As)	7440-38-2	0.001710	0.0987	38.0000	
			インジウム Indium(In)	7440-74-6	0.000034	0.0019	0.7500	
			アルミニウム Aluminum(Al)	7429-90-5	0.000012	0.0007	0.2600	
			リン Phosphorus(P)	7723-14-0	0.000033	0.0019	0.7400	
			金 Gold(Au)	7440-57-5	0.000056	0.0032	1.2500	
			その他 Other	—	0.000045	0.0026	1.0000	
5	LED素子 LED Die	0.004500	ガリウム Gallium(Ga)	7440-55-3	0.002610	0.1506	58.0000	
			砒素 Arsenic(As)	7440-38-2	0.001710	0.0987	38.0000	
			インジウム Indium(In)	7440-74-6	0.000034	0.0019	0.7500	
			アルミニウム Aluminum(Al)	7429-90-5	0.000012	0.0007	0.2600	
			リン Phosphorus(P)	7723-14-0	0.000033	0.0019	0.7400	
			金 Gold(Au)	7440-57-5	0.000056	0.0032	1.2500	
			その他 Other	—	0.000045	0.0026	1.0000	
Total					—	1.733000	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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