

Product	LED
Series	SMLP1xBC/EC
Mass (mg)	0.232211

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	0.101611	エポキシ樹脂 Epoxy Resin	—	0.001600	0.6890	1.5746
		端子処理 Electrode		ガラスクロス Glass Cloth	—	0.001400	0.6029	1.3778
				銅 Copper(Cu)	7440-50-8	0.086000	37.0353	84.6365
				クロム及び3価クロム化合物 Chromium Chemical Compound	—	0.000002	0.0009	0.0020
				ニッケル Nickel(Ni)	7440-02-0	0.009600	4.1342	9.4478
				亜鉛 Zinc(Zn)	7440-66-6	0.000100	0.0431	0.0984
				砒素 Arsenic(As)	7440-38-2	0.000009	0.0039	0.0089
				金 Gold(Au)	7440-57-5	0.002100	0.9043	2.0667
				レジスト Resist Ink	エポキシ樹脂 Epoxy Resin	—	0.000400	0.1723
		着色顔料 Dye		—	0.000400	0.1723	0.3937	
2	ダイボンディング材 Die-Bonding Paste	0.050000	銀 Silver(Ag)	7440-22-4	0.040500	17.4410	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	2.5839	12.0000	
			その他 Other	-	0.003500	1.5072	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	4.3064	100.0000	
4	封止樹脂 Resin	0.062100	エポキシ樹脂 Epoxy Resin	-	0.062100	26.7429	100.0000	
5	LED素子 LED Die	0.008500	炭化シリコン Silicon carbide(SiC)	409-21-2	0.008200	3.5313	96.4706	
			金 Gold(Au)	7440-57-5	0.000030	0.0129	0.3529	
			その他 Other	—	0.000270	0.1163	3.1765	
Total					—	0.232211	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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