

Product	LED
Series	SMLMN2BC/EC
Mass (mg)	5.415500

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

No	製品本体 Product		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	端子処理 Electrode	2.605500	エポキシ樹脂	Epoxy Resin	—	0.587500	10.8485	22.5485
					ガラスクロス	Glass Cloth	65997-17-3	0.530000	9.7867	20.3416
					銅	Copper(Cu)	7440-50-8	1.139200	21.0359	43.7229
					クロム及び3価クロム化合物	Chromium Chemical Compound	—	0.000024	0.0004	0.0009
					チタン化合物	Titanium Chemical Compound	—	0.072000	1.3295	2.7634
					ニッケル	Nickel(Ni)	7440-02-0	0.265464	4.9019	10.1886
					亜鉛	Zinc(Zn)	7440-66-6	0.000080	0.0015	0.0031
					砒素	Arsenic(As)	7440-38-2	0.000032	0.0006	0.0012
					金	Gold(Au)	7440-57-5	0.011200	0.2068	0.4299
2	ダイボンディング材 Die-Bonding Paste			0.050000	銀	Silver(Ag)	7440-22-4	0.040500	0.7479	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	0.1108	12.0000
					その他	Other	-	0.003500	0.0646	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	0.1847	100.0000
4	反射ケース Reflector			2.329800	液晶ポリマー	Liquid crystalline polymer	96563-77-8	1.164900	21.5105	50.0000
					ガラス繊維及び無機フィラー	glass fiber with filler	65997-17-3	1.164900	21.5105	50.0000
5	接着剤 Bond			0.169200	ビスフェノールA型エポキシ樹脂	Bisphenol A Epoxy Resin	25068-38-6	0.126900	2.3433	75.0000
					タルク	tark	14807-96-6	0.016920	0.3124	10.0000
					酸化チタン	oxide titanium	13463-67-7	0.011844	0.2187	7.0000
					ジシアジアミド	dicyandiamide	461-58-5	0.005076	0.0937	3.0000
					シリカ	Silica(SiO <sub>2</sub> )	7631-86-9	0.008460	0.1562	5.0000
6	封止樹脂 Resin			0.240000	ジメチルポリシロキサン	Dimethylpolysiloxane	63148-62-9	0.216240	3.9930	90.1000
					蛍光材	Phoshor	—	0.023760	0.4387	9.9000
7	LED素子 LED Die			0.011000	サファイア	Sapphire(Al <sub>2</sub> O <sub>3</sub> )	1344-28-1	0.010700	0.1976	97.2727
					金	Gold(Au)	7440-57-5	0.000030	0.0006	0.2727
					その他	Other	—	0.000270	0.0050	2.4545
					Total	—	5.415500	100.0000		

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