

CONSTITUTION MATERIALS LIST

Product	LED
Series	SMLK28WBJ
Mass (mg)	16.816560

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	インサートフレーム Insert Flame	樹脂 Resin	15.832360	ポリフタルアミド	Poly phthalate Amide	25776-72-1	0.9400000	5.5897	5.9372	
				ワラストナイト	Wollastonite	13983-17-0	0.0880000	0.5233	0.5558	
				酸化チタン	Titanium oxide (TiO2)	13463-67-7	0.8480000	5.0426	5.3561	
		母材 Parent metal		銅	Copper(Cu)	7440-50-8	12.5036000	74.3529	78.9750	
				鉄	Iron(Fe)	7439-89-6	0.0124000	0.0737	0.0783	
				リン	Phosphorus(P)	7723-14-0	0.0003600	0.0021	0.0023	
				銀	Silver(Ag)	7440-22-4	1.4400000	8.5630	9.0953	
2	ダイボンディング材 Die-Bonding Paste	0.070000	銀	Silver(Ag)	7440-22-4	0.056700	0.3372	81.0000		
			ビスフェノールA型エポキシ樹脂	Bisphenol A Epoxy Resin	9003-36-5	0.008400	0.0500	12.0000		
			その他	Other	-	0.004900	0.0291	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	0.0595	100.0000		
4	封止樹脂 Resin	0.850000	ジメチルポリシロキサン	Dimethylpolysiloxane	63148-62-9	0.770000	4.5788	90.5882		
			蛍光材	Phoshor	—	0.080000	0.4757	9.4118		
5	LED素子 LED Die	0.030000	炭化シリコン	Silicon carbide(SiC)	409-21-2	0.029180	0.1735	97.2667		
			金	Gold(Au)	7440-57-5	0.000080	0.0005	0.2667		
			その他	Other	—	0.000740	0.0044	2.4667		
6	Di素子 Di Die	0.024200	シリコン	Silicone(Si)	7440-21-3	0.022000	0.1308	90.9091		
			アルミニウム	Aluminum(Al)	7429-90-5	0.000200	0.0012	0.8264		
			金	Gold(Au)	7440-57-5	0.002000	0.0119	8.2645		
	Total					—	16.816560	100.0000		

Disclaimer

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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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