



Material Content Data Sheet



Sales Product Name	BSN012N03LS			Issued		14. September 2016		
MA#	MA001006928							
Package	LG-USON-6-1			Weight*		31.61 mg		
Construction Element	Material Group	Substances	CAS# if applicable	Weight [mg]	Average Mass [%]	Sum [%]	Average Mass [ppm]	Sum [ppm]
chip	non noble metal	tin	7440-31-5	0.044	0.14		1406	
	noble metal	gold	7440-57-5	0.172	0.55		5451	
	inorganic material	silicon	7440-21-3	0.826	2.61	3.30	26137	32994
leadframe	non noble metal	iron	7439-89-6	0.025	0.08		790	
	inorganic material	phosphorus	7723-14-0	0.007	0.02		237	
	non noble metal	copper	7440-50-8	24.930	78.86	78.96	788558	789585
leadfinish	noble metal	gold	7440-57-5	0.008	0.02		240	
	inorganic material	phosphorus	7723-14-0	0.003	0.01		91	
	non noble metal	nickel	7440-02-0	0.159	0.50	0.53	5037	5368
ubm	noble metal	gold	7440-57-5	0.001	0.00		18	
	non noble metal	nickel	7440-02-0	0.057	0.18	0.18	1804	1822
solder	noble metal	silver	7440-22-4	0.089	0.28		2817	
	non noble metal	tin	7440-31-5	2.456	7.77	8.05	77679	80496
redistribution	non noble metal	copper	7440-50-8	0.221	0.70		6993	
	inorganic material	aluminiumhydroxide	21645-51-2	0.276	0.87		8732	
	inorganic material	silicondioxide	60676-86-0	0.362	1.15		11461	
	plastics	epoxy resin	-	0.483	1.53		15282	
	inorganic material	glass fibre	-	0.604	1.91	6.16	19102	61570
solder resists	inorganic material	silicondioxide	60676-86-0	0.098	0.31		3098	
	plastics	epoxy resin	-	0.116	0.37		3662	
	inorganic material	bariumsulfate	7727-43-7	0.196	0.62		6196	
	plastics	acrylic resin	-	0.481	1.52	2.82	15209	28165
*deviation	< 10%	Sum in total:			100.00			1000000

Important Remarks:

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