



Material Content Data Sheet



Sales Product Name		BSC022N04LS		Issued		19. July 2018		
MA#		MA001075538						
Package		PG-TDSON-8-6		Weight*		118.48 mg		
Construction Element	Material Group	Substances	CAS# if applicable	Weight [mg]	Average Mass [%]	Sum [%]	Average Mass [ppm]	Sum [ppm]
chip	inorganic material	silicon	7440-21-3	0.629	0.53	0.53	5310	5310
leadframe	non noble metal	iron	7439-89-6	0.038	0.03		319	
	inorganic material	phosphorus	7723-14-0	0.011	0.01		96	
	non noble metal	copper	7440-50-8	37.762	31.87	31.91	318719	319134
wire	noble metal	gold	7440-57-5	0.045	0.04	0.04	381	381
encapsulation	organic material	carbon black	1333-86-4	0.088	0.07		739	
	plastics	epoxy resin	-	6.215	5.25		52455	
	inorganic material	silicondioxide	60676-86-0	37.464	31.62	36.94	316209	369403
leadfinish	non noble metal	tin	7440-31-5	1.470	1.24	1.24	12406	12406
plating	noble metal	silver	7440-22-4	0.166	0.14	0.14	1397	1397
solder	noble metal	silver	7440-22-4	0.023	0.02		198	
	non noble metal	tin	7440-31-5	0.019	0.02		158	
	non noble metal	lead	7439-92-1	0.895	0.76	0.80	7550	7906
heatspreader	non noble metal	iron	7439-89-6	0.011	0.01		96	
	inorganic material	phosphorus	7723-14-0	0.003	0.00		29	
	non noble metal	copper	7440-50-8	11.320	9.55	9.56	95545	95670
heat sink CLIP	non noble metal	iron	7439-89-6	0.022	0.02		188	
	inorganic material	phosphorus	7723-14-0	0.007	0.01		57	
	non noble metal	copper	7440-50-8	22.292	18.81	18.84	188148	188393
*deviation	< 10%		Sum in total:			100.00		1000000

Important Remarks:

1. Infineon Technologies AG provides full material declaration based on information provided by third parties and has taken and continues to take reasonable steps to provide representative and accurate information.
2. Infineon Technologies AG and Infineon Technologies AG suppliers consider certain information to be proprietary, and thus CAS numbers and other limited information may not be available for release.
3. All statements are based on our present knowledge, are provided 'as is' and may be subject to change at any time due to technical requirements and development without notification.

This product is in compliance with EU Directive 2015/863/EU amending Annex II to EU Directive 2011/65/EU (RoHS) and contains Pb according RoHS exemption 7a, Lead in high melting temperature type solders.

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