



Material Content Data Sheet



Sales Product Name				BSC120N03MS G		Issued		27. September 2017	
MA#				MA001321270					
Package				PG-TDSON-8-5		Weight*		118.49 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	0.614	0.52	0.52	5180	5180	
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	31.86	31.90	318682	319097	
wire	non noble metal	copper	7440-50-8	0.055	0.05	0.05	462	462	
encapsulation	organic material	carbon black	1333-86-4	0.088	0.07		739		
	plastics	epoxy resin	-	6.215	5.24		52447		
	inorganic material	silicondioxide	60676-86-0	37.463	31.62	36.93	316162	369348	
leadfinish	non noble metal	tin	7440-31-5	1.452	1.23	1.23	12251	12251	
plating	noble metal	silver	7440-22-4	0.166	0.14	0.14	1397	1397	
solder	noble metal	silver	7440-22-4	0.024	0.02		206		
	non noble metal	tin	7440-31-5	0.020	0.02		165		
	non noble metal	lead	7439-92-1	0.932	0.79	0.83	7865	8236	
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	95533	95658	
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	188126	188371	
*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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