



Material Content Data Sheet



Sales Product Name		BSC160N10NS3 G		Issued		25. January 2018		
MA#		MA001493836						
Package		PG-TDSON-8-5		Weight*		124.35 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	1.835	1.48	1.48	14756	14756
leadframe	inorganic material	phosphorus	7723-14-0	0.011	0.01		91	
	non noble metal	iron	7439-89-6	0.038	0.03		304	
	non noble metal	copper	7440-50-8	37.762	30.37	30.41	303680	304075
	non noble metal	copper	7440-50-8	0.062	0.05	0.05	502	502
wire	non noble metal	copper	7440-50-8	0.062	0.05	0.05	502	502
encapsulation	organic material	carbon black	1333-86-4	0.095	0.08		764	
	plastics	epoxy resin	-	6.749	5.43		54273	
	inorganic material	silicondioxide	60676-86-0	40.682	32.70	38.21	327166	382203
leadfinish	non noble metal	tin	7440-31-5	1.452	1.17	1.17	11674	11674
plating	noble metal	silver	7440-22-4	0.166	0.13	0.13	1331	1331
solder	non noble metal	tin	7440-31-5	0.037	0.03		296	
	noble metal	silver	7440-22-4	0.046	0.04		370	
	non noble metal	lead	7439-92-1	1.758	1.41	1.48	14135	14801
heatspreader	inorganic material	phosphorus	7723-14-0	0.003	0.00		27	
	non noble metal	iron	7439-89-6	0.011	0.01		91	
	non noble metal	copper	7440-50-8	11.320	9.10	9.11	91036	91154
heat sink CLIP	inorganic material	phosphorus	7723-14-0	0.007	0.01		54	
	non noble metal	iron	7439-89-6	0.022	0.02		180	
	non noble metal	copper	7440-50-8	22.292	17.93	17.96	179270	179504
*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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