



Material Content Data Sheet



Sales Product Name		BSC070N10NS5		Issued		24. January 2018		
MA#		MA001242098						
Package		PG-TDSON-8-7		Weight*		118.74 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	0.848	0.71	0.71	7142	7142
leadframe	inorganic material	phosphorus	7723-14-0	0.011	0.01		96	
	non noble metal	iron	7439-89-6	0.038	0.03		318	
	non noble metal	copper	7440-50-8	37.762	31.81	31.85	318016	318430
	noble metal	gold	7440-57-5	0.045	0.04	0.04	377	377
wire	organic material	carbon black	1333-86-4	0.087	0.07		733	
encapsulation	plastics	epoxy resin	-	6.181	5.21		52055	
	inorganic material	silicondioxide	60676-86-0	37.261	31.38	36.66	313799	366587
leadfinish	non noble metal	tin	7440-31-5	1.452	1.22	1.22	12225	12225
plating	noble metal	silver	7440-22-4	0.166	0.14	0.14	1394	1394
solder	non noble metal	tin	7440-31-5	0.025	0.02		208	
	noble metal	silver	7440-22-4	0.031	0.03		260	
	non noble metal	lead	7439-92-1	1.180	0.99	1.04	9942	10410
	inorganic material	phosphorus	7723-14-0	0.003	0.00		29	
heatspreader	non noble metal	iron	7439-89-6	0.011	0.01		95	
	non noble metal	copper	7440-50-8	11.320	9.53	9.54	95334	95458
heat sink CLIP	inorganic material	phosphorus	7723-14-0	0.007	0.01		56	
	non noble metal	iron	7439-89-6	0.022	0.02		188	
	non noble metal	copper	7440-50-8	22.292	18.77	18.80	187733	187977
*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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