



Material Content Data Sheet



Sales Product Name		BSC050N10NS5		Issued		3. October 2018		
MA#		MA001987276						
Package		PG-TDSON-8-7		Weight*		118.94 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	1.185	1.00	1.00	9966	9966
leadframe	inorganic material	phosphorus	7723-14-0	0.011	0.01		95	
	non noble metal	iron	7439-89-6	0.038	0.03		318	
wire	non noble metal	copper	7440-50-8	37.762	31.73	31.77	317498	317911
	noble metal	gold	7440-57-5	0.043	0.04	0.04	365	365
encapsulation	organic material	carbon black	1333-86-4	0.086	0.07		722	
	plastics	epoxy resin	-	6.786	5.71		57054	
leadfinish	inorganic material	silicondioxide	60676-86-0	36.076	30.33	36.11	303327	361103
	non noble metal	tin	7440-31-5	1.452	1.22	1.22	12205	12205
plating	noble metal	silver	7440-22-4	0.166	0.14	0.14	1392	1392
solder	non noble metal	tin	7440-31-5	0.034	0.03		282	
	noble metal	silver	7440-22-4	0.042	0.04		352	
heatspreader	non noble metal	lead	7439-92-1	1.600	1.35	1.42	13452	14086
	inorganic material	phosphorus	7723-14-0	0.003	0.00		29	
heat sink CLIP	non noble metal	iron	7439-89-6	0.011	0.01		95	
	non noble metal	copper	7440-50-8	11.320	9.52	9.53	95178	95302
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	
*deviation	non noble metal	copper	7440-50-8	22.292	18.74	18.77	187426	187670
						Sum in total:	100.00	

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.

Company	Infineon Technologies AG
Address	81726 München
Internet	www.infineon.com