



Material Content Data Sheet



Sales Product Name		BSC440N10NS3 G		Issued		22. January 2018		
MA#		MA001303192						
Package		PG-TDSON-8-5		Weight*		118.66 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	0.830	0.70	0.70	6993	6993
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	31.82	31.86	318231	318646
wire	non noble metal	copper	7440-50-8	0.067	0.06	0.06	566	566
encapsulation	organic material	carbon black	1333-86-4	0.087	0.07		734	
	plastics	epoxy resin	-	6.185	5.21		52119	
	inorganic material	silicondioxide	60676-86-0	37.281	31.42	36.70	314181	367034
leadfinish	non noble metal	tin	7440-31-5	1.452	1.22	1.22	12233	12233
plating	noble metal	silver	7440-22-4	0.166	0.14	0.14	1395	1395
solder	noble metal	silver	7440-22-4	0.028	0.02		238	
	non noble metal	tin	7440-31-5	0.023	0.02		190	
	non noble metal	lead	7439-92-1	1.078	0.91	0.95	9081	9509
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	9.54	9.55	95397	95522
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		56	
	non noble metal	copper	7440-50-8	22.292	18.79	18.82	187858	188102
*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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