



Material Content Data Sheet



Sales Product Name				BSZ042N04NS G		Issued		4. July 2019	
MA#				MA001837562					
Package				PG-TSDSON-8-2		Weight*		38.76 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	1.836	4.74	4.74	47381	47381	
leadframe	inorganic material	phosphorus	7723-14-0	0.002	0.01		54		
	non noble metal	zinc	7440-66-6	0.008	0.02		216		
	non noble metal	iron	7439-89-6	0.168	0.43		4326		
wire	non noble metal	copper	7440-50-8	6.808	17.56	18.02	175649	180245	
	non noble metal	copper	7440-50-8	0.035	0.09	0.09	911	911	
	encapsulation	organic material	carbon black	1333-86-4	0.034	0.09		868	
	plastics	epoxy resin	-	1.733	4.47		44722		
	inorganic material	silicondioxide	60676-86-0	15.061	38.87	43.43	388605	434195	
leadfinish	non noble metal	tin	7440-31-5	0.387	1.00	1.00	9989	9989	
plating	noble metal	silver	7440-22-4	0.963	2.48	2.48	24836	24836	
solder	non noble metal	tin	7440-31-5	0.037	0.10		950		
	noble metal	silver	7440-22-4	0.046	0.12		1188		
	non noble metal	lead	7439-92-1	1.759	4.54	4.76	45376	47514	
heat sink clip	inorganic material	phosphorus	7723-14-0	0.002	0.00		49		
	non noble metal	zinc	7440-66-6	0.008	0.02		195		
	non noble metal	iron	7439-89-6	0.151	0.39		3893		
	non noble metal	copper	7440-50-8	6.127	15.81	16.22	158092	162229	
heatspreader	inorganic material	phosphorus	7723-14-0	0.001	0.00		28		
	non noble metal	zinc	7440-66-6	0.004	0.01		111		
	non noble metal	iron	7439-89-6	0.086	0.22		2225		
	non noble metal	copper	7440-50-8	3.501	9.03	9.26	90336	92700	
*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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