



Material Content Data Sheet



Sales Product Name		BSZ240N12NS3 G		Issued		1. August 2018		
MA#		MA000858674						
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	1.835	4.73	4.73	47342	47342
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	175647	180243
	non noble metal	copper	7440-50-8	0.037	0.10	0.10	966	966
encapsulation	organic material	carbon black	1333-86-4	0.034	0.09		868	
	plastics	epoxy resin	-	1.733	4.47		44724	
	inorganic material	silicondioxide	60676-86-0	15.062	38.88	43.44	388622	434214
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		1187	
	non noble metal	lead	7439-92-1	1.758	4.53	4.75	45349	47486
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	90334	92698
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	158089	162226
*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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