



## Material Content Data Sheet



<b>Sales Product Name</b>		BSZ097N10NS5		<b>Issued</b>		19. July 2018		
<b>MA#</b>		MA001192486						
<b>Package</b>		PG-TSDSON-8-26		<b>Weight*</b>		36.75 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	0.629	1.71	1.71	17119	17119
leadframe	inorganic material	phosphorus	7723-14-0	0.002	0.01		67	
	non noble metal	zinc	7440-66-6	0.010	0.03		268	
	non noble metal	copper	7440-50-8	7.988	21.74		217386	
wire	non noble metal	iron	7439-89-6	0.197	0.54	22.32	5354	223075
	noble metal	gold	7440-57-5	0.028	0.08	0.08	768	768
	plastics	epoxy resin	-	1.897	5.16		51631	
encapsulation	inorganic material	silicondioxide	60676-86-0	16.486	44.86		448637	
	organic material	carbon black	1333-86-4	0.037	0.10	50.12	1003	501271
leadfinish	non noble metal	tin	7440-31-5	0.395	1.08	1.08	10756	10756
plating	noble metal	silver	7440-22-4	0.020	0.06	0.06	553	553
solder	noble metal	silver	7440-22-4	0.023	0.06		627	
	non noble metal	tin	7440-31-5	0.018	0.05		501	
	non noble metal	lead	7439-92-1	0.879	2.39	2.50	23933	25061
heatspreader	inorganic material	phosphorus	7723-14-0	0.001	0.00		32	
	non noble metal	zinc	7440-66-6	0.005	0.01		128	
	non noble metal	copper	7440-50-8	3.816	10.38		103842	
	non noble metal	iron	7439-89-6	0.094	0.26	10.65	2557	106559
heat sink CLIP	inorganic material	phosphorus	7723-14-0	0.001	0.00		34	
	non noble metal	zinc	7440-66-6	0.005	0.01		138	
	non noble metal	copper	7440-50-8	4.112	11.19		111910	
	non noble metal	iron	7439-89-6	0.101	0.28	11.48	2756	114838
*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.
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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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