



## Material Content Data Sheet



<b>Sales Product Name</b>				IPZ40N04S5L-7R4		<b>Issued</b>		9. January 2019	
<b>MA#</b>				MA001949582					
<b>Package</b>				PG-TSDSON-8-32		<b>Weight*</b>		35.22 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	0.229	0.65	0.65	6508	6508	
leadframe	inorganic material	phosphorus	7723-14-0	0.003	0.01		88		
	non noble metal	zinc	7440-66-6	0.012	0.04		353		
	non noble metal	iron	7439-89-6	0.249	0.71		7064		
wire	non noble metal	copper	7440-50-8	10.102	28.68	29.44	286835	294340	
	noble metal	gold	7440-57-5	0.031	0.09	0.09	866	866	
	encapsulation	organic material	carbon black	1333-86-4	0.037	0.11		1064	
encapsulation	plastics	epoxy resin	-	1.930	5.48		54805		
	inorganic material	silicondioxide	60676-86-0	16.772	47.60	53.19	476220	532089	
leadfinish	non noble metal	tin	7440-31-5	0.400	1.14	1.14	11365	11365	
plating	noble metal	silver	7440-22-4	0.086	0.24	0.24	2431	2431	
solder	non noble metal	tin	7440-31-5	0.008	0.02		213		
	noble metal	silver	7440-22-4	0.009	0.03		266		
	non noble metal	lead	7439-92-1	0.358	1.02	1.07	10168	10647	
heatspreader	inorganic material	phosphorus	7723-14-0	0.001	0.00		17		
	non noble metal	zinc	7440-66-6	0.002	0.01		67		
	non noble metal	iron	7439-89-6	0.047	0.13		1334		
	non noble metal	copper	7440-50-8	1.908	5.42	5.56	54164	55582	
heat sink CLIP	inorganic material	phosphorus	7723-14-0	0.001	0.00		26		
	non noble metal	zinc	7440-66-6	0.004	0.01		103		
	non noble metal	iron	7439-89-6	0.073	0.21		2068		
	non noble metal	copper	7440-50-8	2.958	8.40	8.62	83975	86172	
*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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