



Material Content Data Sheet



Sales Product Name				IPZ40N04S5L-7R4		Issued		9. June 2015	
MA#				MA001171646					
Package				PG-TSDSON-8-32		Weight*		35.18 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	0.174	0.49	0.49	4936	4936	
leadframe	inorganic material	phosphorus	7723-14-0	0.003	0.01		88		
	non noble metal	zinc	7440-66-6	0.012	0.04		354		
	non noble metal	iron	7439-89-6	0.249	0.71		7073		
wire	non noble metal	copper	7440-50-8	10.102	28.72	29.48	287174	294689	
	noble metal	gold	7440-57-5	0.031	0.09	0.09	876	876	
	organic material	carbon black	1333-86-4	0.038	0.11		1069		
encapsulation	plastics	epoxy resin	-	1.936	5.50		55033		
	inorganic material	silicondioxide	60676-86-0	16.822	47.82	53.43	478200	534302	
leadfinish	non noble metal	tin	7440-31-5	0.400	1.14	1.14	11378	11378	
plating	noble metal	silver	7440-22-4	0.086	0.24	0.24	2434	2434	
solder	noble metal	silver	7440-22-4	0.008	0.02		237		
	non noble metal	tin	7440-31-5	0.007	0.02		189		
	non noble metal	lead	7439-92-1	0.318	0.90	0.94	9036	9462	
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		1336		
heat sink CLIP	non noble metal	copper	7440-50-8	1.908	5.42	5.56	54228	55648	
	inorganic material	phosphorus	7723-14-0	0.001	0.00		26		
	non noble metal	zinc	7440-66-6	0.004	0.01		104		
*deviation	non noble metal	iron	7439-89-6	0.073	0.21		2071		
	non noble metal	copper	7440-50-8	2.958	8.41	8.63	84074	86275	
	Sum in total:						100.00		1000000

Important Remarks:

- 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.
- 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.
- 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 2011/65/EU (RoHS) and contains Pb according RoHS exemption 7a, Lead in high melting temperature type solders.

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