



Material Content Data Sheet



Sales Product Name		IPD90N04S3-H4		Issued		20. July 2018		
MA#		MA000461962						
Package		PG-TO252-3-11		Weight*		371.72 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	3.726	1.00	1.00	10023	10023
leadframe	non noble metal	iron	7439-89-6	0.215	0.06		579	
	inorganic material	phosphorus	7723-14-0	0.065	0.02		174	
	non noble metal	copper	7440-50-8	215.017	57.84	57.92	578434	579187
wire	non noble metal	aluminium	7429-90-5	4.435	1.19	1.19	11930	11930
encapsulation	organic material	carbon black	1333-86-4	1.221	0.33		3285	
	plastics	epoxy resin	-	21.368	5.75		57484	
	inorganic material	silicondioxide	60676-86-0	99.514	26.77	32.85	267711	328480
leadfinish	non noble metal	tin	7440-31-5	3.740	1.01	1.01	10061	10061
plating	non noble metal	nickel	7440-02-0	0.091	0.02	0.02	244	245
	inorganic material	phosphorus	7723-14-0	0.000	0.00		1	
solder	noble metal	silver	7440-22-4	0.078	0.02		210	
	non noble metal	tin	7440-31-5	0.063	0.02		168	
	non noble metal	lead	7439-92-1	2.988	0.80	0.84	8037	8415
heatspreader	non noble metal	iron	7439-89-6	0.019	0.01		52	
	inorganic material	phosphorus	7723-14-0	0.006	0.00		16	
	non noble metal	copper	7440-50-8	19.177	5.16	5.17	51591	51659
*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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