



## Material Content Data Sheet



<b>Sales Product Name</b>		IPD90N06S4-04		<b>Issued</b>		24. January 2018			
<b>MA#</b>		MA001036060							
<b>Package</b>		PG-TO252-3-11		<b>Weight*</b>		377.35 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	5.184	1.37	1.37	13738	13738	
leadframe	non noble metal	iron	7439-89-6	0.215	0.06		571		
	inorganic material	phosphorus	7723-14-0	0.065	0.02		171		
	non noble metal	copper	7440-50-8	215.017	56.97	57.05	569810	570552	
wire	non noble metal	aluminium	7429-90-5	46.722	12.38	12.38	123818	123818	
encapsulation	organic material	carbon black	1333-86-4	0.831	0.22		2203		
	plastics	epoxy resin	-	14.549	3.86		38556		
	inorganic material	silicondioxide	60676-86-0	67.757	17.96	22.04	179560	220319	
leadfinish	non noble metal	tin	7440-31-5	3.740	0.99	0.99	9911	9911	
plating	non noble metal	nickel	7440-02-0	0.091	0.02		241		
	inorganic material	phosphorus	7723-14-0	0.000	0.00	0.02	1	242	
solder	noble metal	silver	7440-22-4	0.099	0.03		263		
	non noble metal	tin	7440-31-5	0.079	0.02		211		
	non noble metal	lead	7439-92-1	3.796	1.01	1.06	10058	10532	
heatspreader	non noble metal	iron	7439-89-6	0.019	0.01		51		
	inorganic material	phosphorus	7723-14-0	0.006	0.00		15		
	non noble metal	copper	7440-50-8	19.177	5.08	5.09	50822	50888	
*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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