



## Material Content Data Sheet



<b>Sales Product Name</b>				IPD50N03S2-07		<b>Issued</b>		25. September 2017	
<b>MA#</b>				MA000254534					
<b>Package</b>				PG-TO252-3-11		<b>Weight*</b>		392.09 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	4.029	1.03	1.03	10275	10275	
leadframe	non noble metal	iron	7439-89-6	0.140	0.04		357		
	inorganic material	phosphorus	7723-14-0	0.042	0.01		107		
	non noble metal	copper	7440-50-8	139.706	35.63	35.68	356306	356770	
wire	non noble metal	aluminium	7429-90-5	1.918	0.49	0.49	4892	4892	
encapsulation	organic material	carbon black	1333-86-4	1.446	0.37		3688		
	plastics	epoxy resin	-	25.308	6.45		64546		
	inorganic material	silicondioxide	60676-86-0	117.864	30.06	36.88	300602	368836	
leadfinish	non noble metal	tin	7440-31-5	3.740	0.95	0.95	9539	9539	
plating	non noble metal	nickel	7440-02-0	0.091	0.02		232		
	inorganic material	phosphorus	7723-14-0	0.000	0.00	0.02	1	233	
solder	noble metal	silver	7440-22-4	0.080	0.02		204		
	non noble metal	tin	7440-31-5	0.064	0.02		163		
	non noble metal	lead	7439-92-1	3.055	0.78	0.82	7790	8157	
heatspreader	inorganic material	phosphorus	7723-14-0	0.028	0.01		72		
	non noble metal	iron	7439-89-6	0.095	0.02		241		
	non noble metal	copper	7440-50-8	94.488	24.10	24.13	240985	241298	
*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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