



## Material Content Data Sheet



<b>Sales Product Name</b>		IPD50R1K4CE		<b>Issued</b>		25. January 2018		
<b>MA#</b>		MA001412994						
<b>Package</b>		PG-TO252-3-344		<b>Weight*</b>		322.19 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	1.378	0.43	0.43	4278	4278
leadframe	non noble metal	iron	7439-89-6	0.144	0.04		447	
	inorganic material	phosphorus	7723-14-0	0.043	0.01		134	
	non noble metal	copper	7440-50-8	143.904	44.68	44.73	446639	447220
wire	non noble metal	aluminium	7429-90-5	4.327	1.34	1.34	13431	13431
encapsulation	organic material	carbon black	1333-86-4	0.669	0.21		2076	
	plastics	epoxy resin	-	18.059	5.60		56050	
	inorganic material	silicondioxide	60676-86-0	115.042	35.71	41.52	357059	415185
leadfinish	non noble metal	tin	7440-31-5	3.881	1.20	1.20	12047	12047
solder	noble metal	silver	7440-22-4	0.043	0.01		132	
	non noble metal	tin	7440-31-5	0.034	0.01		106	
	non noble metal	lead	7439-92-1	1.631	0.51	0.53	5061	5299
heatspreader	non noble metal	iron	7439-89-6	0.033	0.01		103	
	inorganic material	phosphorus	7723-14-0	0.010	0.00		31	
	non noble metal	copper	7440-50-8	32.995	10.24	10.25	102406	102540
*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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