



## Material Content Data Sheet



<b>Sales Product Name</b>		IPD50R650CE		<b>Issued</b>		25. January 2018		
<b>MA#</b>		MA001816460						
<b>Package</b>		PG-TO252-3-344		<b>Weight*</b>		322.59 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	2.436	0.76	0.76	7551	7551
leadframe	inorganic material	phosphorus	7723-14-0	0.043	0.01		134	
	non noble metal	iron	7439-89-6	0.144	0.04		447	
	non noble metal	copper	7440-50-8	143.904	44.62	44.67	446090	446671
	non noble metal	aluminium	7429-90-5	0.464	0.14	0.14	1438	1438
wire	non noble metal	aluminium	7429-90-5	0.464	0.14	0.14	1438	1438
encapsulation	organic material	carbon black	1333-86-4	0.681	0.21		2112	
	plastics	epoxy resin	-	18.399	5.70		57036	
	inorganic material	silicondioxide	60676-86-0	117.210	36.33	42.24	363341	422489
leadfinish	non noble metal	tin	7440-31-5	3.834	1.19	1.19	11884	11884
solder	non noble metal	tin	7440-31-5	0.049	0.02		151	
	noble metal	silver	7440-22-4	0.061	0.02		189	
	non noble metal	lead	7439-92-1	2.327	0.72	0.76	7214	7554
heatspreader	inorganic material	phosphorus	7723-14-0	0.010	0.00		31	
	non noble metal	iron	7439-89-6	0.033	0.01		102	
	non noble metal	copper	7440-50-8	32.995	10.23	10.24	102280	102413
*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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