



## Material Content Data Sheet



<b>Sales Product Name</b>		IPD50R650CE		<b>Issued</b>		27. September 2017			
<b>MA#</b>		MA001325910							
<b>Package</b>		PG-TO252-3-341		<b>Weight*</b>		388.15 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	0.63	0.63	6276	6276	
leadframe	non noble metal	iron	7439-89-6	0.248	0.06		640		
	inorganic material	phosphorus	7723-14-0	0.075	0.02		192		
	non noble metal	copper	7440-50-8	248.124	63.93	64.01	639249	640081	
wire	non noble metal	aluminium	7429-90-5	0.507	0.13	0.13	1305	1305	
encapsulation	organic material	carbon black	1333-86-4	0.390	0.10		1005		
	plastics	epoxy resin	-	11.837	3.05		30495		
	inorganic material	silicondioxide	60676-86-0	117.847	30.36	33.51	303613	335113	
leadfinish	non noble metal	tin	7440-31-5	3.740	0.96	0.96	9636	9636	
plating	non noble metal	nickel	7440-02-0	0.509	0.13	0.13	1311	1311	
solder	noble metal	silver	7440-22-4	0.061	0.02		157		
	non noble metal	tin	7440-31-5	0.049	0.01		126		
	non noble metal	lead	7439-92-1	2.327	0.60	0.63	5995	6278	
*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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