



## Material Content Data Sheet



<b>Sales Product Name</b>		IPAN65R650CE		<b>Issued</b>		23. January 2018			
<b>MA#</b>		MA001639342							
<b>Package</b>		PG-TO220-3-318		<b>Weight*</b>		2136.34 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	3.294	0.15	0.15	1542	1542	
leadframe	non noble metal	iron	7439-89-6	1.075	0.05		503		
	inorganic material	phosphorus	7723-14-0	0.322	0.02		151		
	non noble metal	copper	7440-50-8	1073.304	50.26	50.33	502404	503058	
wire	non noble metal	aluminium	7429-90-5	0.795	0.04	0.04	372	372	
encapsulation	organic material	carbon black	1333-86-4	5.401	0.25		2528		
	inorganic material	zinc oxide	1314-13-2	73.139	3.42		34236		
	plastics	epoxy resin	-	101.563	4.75		47541		
	inorganic material	silicondioxide	60676-86-0	868.281	40.64	49.06	406435	490740	
leadfinish	non noble metal	tin	7440-31-5	7.067	0.33	0.33	3308	3308	
solder	non noble metal	antimony	7440-36-0	0.209	0.01		98		
	noble metal	silver	7440-22-4	0.523	0.02		245		
	non noble metal	tin	7440-31-5	1.361	0.06	0.09	637	980	
*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.
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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 does not use any exemption

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