



## Material Content Data Sheet



<b>Sales Product Name</b>				IDH16G65C5		<b>Issued</b>		25. September 2017	
<b>MA#</b>				MA000989360					
<b>Package</b>				PG-TO220-2-1		<b>Weight*</b>		1966.11 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	0.881	0.04		448		
	noble metal	gold	7440-57-5	0.083	0.00		42		
	non noble metal	tin	7440-31-5	0.021	0.00	0.04	11	501	
leadframe	non noble metal	iron	7439-89-6	0.753	0.04		383		
	inorganic material	phosphorus	7723-14-0	0.226	0.01		115		
	non noble metal	copper	7440-50-8	751.797	38.24	38.29	382376	382875	
wire	non noble metal	aluminium	7429-90-5	0.890	0.05	0.05	453	453	
encapsulation	organic material	carbon black	1333-86-4	9.098	0.46		4627		
	plastics	epoxy resin	-	100.080	5.09		50902		
	inorganic material	silicondioxide	60676-86-0	497.367	25.30	30.85	252970	308499	
leadfinish	non noble metal	tin	7440-31-5	14.487	0.74	0.74	7368	7368	
plating	non noble metal	nickel	7440-02-0	0.198	0.01		101		
	inorganic material	phosphorus	7723-14-0	0.000	0.00	0.01	1	101	
heatspreader	non noble metal	iron	7439-89-6	0.590	0.03		300		
	inorganic material	phosphorus	7723-14-0	0.177	0.01		90		
	non noble metal	copper	7440-50-8	589.466	29.98	30.02	299813	300203	
*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 does not use any exemption

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