



## Material Content Data Sheet



<b>Sales Product Name</b>		IDH05G65C5		<b>Issued</b>		20. July 2018		
<b>MA#</b>		MA000988686						
<b>Package</b>		PG-TO220-2-1		<b>Weight*</b>		1965.91 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	0.325	0.02		166	
	noble metal	gold	7440-57-5	0.031	0.00		16	
	non noble metal	tin	7440-31-5	0.008	0.00	0.02	4	186
leadframe	non noble metal	iron	7439-89-6	0.753	0.04		383	
	inorganic material	phosphorus	7723-14-0	0.226	0.01		115	
wire	non noble metal	copper	7440-50-8	751.797	38.24	38.29	382416	382915
	non noble metal	aluminium	7429-90-5	0.445	0.02	0.02	226	226
encapsulation	organic material	carbon black	1333-86-4	9.111	0.46		4635	
	plastics	epoxy resin	-	100.222	5.10		50980	
	inorganic material	silicondioxide	60676-86-0	498.075	25.34	30.90	253355	308970
leadfinish	non noble metal	tin	7440-31-5	14.487	0.74	0.74	7369	7369
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	299843	300233
*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

Company	Infineon Technologies AG
Address	81726 München
Internet	www.infineon.com