



## Material Content Data Sheet



<b>Sales Product Name</b>		IDK12G65C5		<b>Issued</b>		24. January 2018			
<b>MA#</b>		MA001669150							
<b>Package</b>		PG-TO263-2-1		<b>Weight*</b>		1497.74 mg			
Construction Element	Material Group	Substances	CAS# if applicable	Weight [mg]	Average Mass [%]	Sum [%]	Average Mass [ppm]	Sum [ppm]	
chip	non noble metal	tin	7440-31-5	0.017	0.00		11		
	noble metal	gold	7440-57-5	0.065	0.00		43		
	inorganic material	siliconcarbide	409-21-2	0.953	0.06	0.06	636	690	
leadframe	inorganic material	phosphorus	7723-14-0	0.225	0.02		150		
	non noble metal	iron	7439-89-6	0.751	0.05		501		
	non noble metal	copper	7440-50-8	749.949	50.07	50.14	500721	501372	
wire	non noble metal	aluminium	7429-90-5	0.874	0.06	0.06	584	584	
	encapsulation	organic material	carbon black	1333-86-4	1.177	0.08		786	
		plastics	epoxy resin	-	54.164	3.62		36164	
	inorganic material	silicondioxide	60676-86-0	533.399	35.61	39.31	356136	393086	
leadfinish	non noble metal	tin	7440-31-5	11.700	0.78	0.78	7812	7812	
plating	inorganic material	phosphorus	7723-14-0	0.007	0.00		4		
	non noble metal	nickel	7440-02-0	2.778	0.19	0.19	1855	1859	
heatspreader	inorganic material	phosphorus	7723-14-0	0.043	0.00		28		
	non noble metal	iron	7439-89-6	0.142	0.01		95		
	non noble metal	copper	7440-50-8	141.498	9.45	9.46	94474	94597	
*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