



## Material Content Data Sheet



<b>Sales Product Name</b>		IDW16G65C5		<b>Issued</b>		31. January 2019		
<b>MA#</b>		MA001641542						
<b>Package</b>		PG-TO247-3-41		<b>Weight*</b>		6044.53 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	0.873	0.01	0.01	144	144
leadframe	inorganic material	phosphorus	7723-14-0	0.159	0.00		26	
	non noble metal	iron	7439-89-6	0.530	0.01		88	
	non noble metal	copper	7440-50-8	529.068	8.75	8.76	87529	87643
	non noble metal	aluminium	7429-90-5	2.074	0.03	0.03	343	343
wire	non noble metal	aluminium	7429-90-5	2.074	0.03	0.03	343	343
encapsulation	organic material	carbon black	1333-86-4	20.077	0.33		3322	
	plastics	epoxy resin	-	381.468	6.31		63110	
	inorganic material	silicondioxide	60676-86-0	1606.179	26.57	33.21	265725	332157
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5273	5273
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4808	4808
solder	non noble metal	antimony	7440-36-0	0.068	0.00		11	
	noble metal	silver	7440-22-4	0.170	0.00		28	
	non noble metal	tin	7440-31-5	0.443	0.01	0.01	73	112
heatspreader	inorganic material	phosphorus	7723-14-0	1.033	0.02		171	
	non noble metal	iron	7439-89-6	3.442	0.06		570	
	non noble metal	copper	7440-50-8	3438.006	56.89	56.97	568779	569520
*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