



## Material Content Data Sheet



<b>Sales Product Name</b>		IDW40G120C5B		<b>Issued</b>		23. January 2018		
<b>MA#</b>		MA001617586						
<b>Package</b>		PG-TO247-3-41		<b>Weight*</b>		6047.63 mg		
Construction Element	Material Group	Substances	CAS# if applicable	Weight [mg]	Average Mass [%]	Sum [%]	Average Mass [ppm]	Sum [ppm]
chip_1	inorganic material	silicon	7440-21-3	2.452	0.04	0.04	405	405
chip_2	inorganic material	silicon	7440-21-3	2.452	0.04	0.04	405	405
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	87483	87597
	non noble metal	aluminium	7429-90-5	7.262	0.12	0.12	1201	1201
wire	non noble metal	aluminium	7429-90-5	7.262	0.12	0.12	1201	1201
encapsulation	organic material	carbon black	1333-86-4	19.992	0.33		3306	
	plastics	epoxy resin	-	379.853	6.28		62810	
	inorganic material	silicondioxide	60676-86-0	1599.381	26.45	33.06	264464	330580
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5271	5271
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4806	4806
solder	non noble metal	antimony	7440-36-0	0.306	0.01		51	
	noble metal	silver	7440-22-4	0.766	0.01		127	
	non noble metal	tin	7440-31-5	1.991	0.03	0.05	329	507
heatspreader	inorganic material	phosphorus	7723-14-0	1.033	0.02		171	
	non noble metal	iron	7439-89-6	3.442	0.06		569	
	non noble metal	copper	7440-50-8	3438.006	56.84	56.92	568488	569228
*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