



Material Content Data Sheet



Sales Product Name		IDW16G65C5		Issued		1. August 2018		
MA#		MA001641542						
Package		PG-TO247-3-41		Weight*		6044.86 mg		
Construction Element	Material Group	Substances	CAS# if applicable	Weight [mg]	Average Mass [%]	Sum [%]	Average Mass [ppm]	Sum [ppm]
chip	inorganic material	siliconcarbide	409-21-2	1.203	0.02	0.02	199	199
leadframe	inorganic material	phosphorus	7723-14-0	0.159	0.00		26	
	non noble metal	iron	7439-89-6	0.530	0.01		88	
wire	non noble metal	copper	7440-50-8	529.068	8.75	8.76	87524	87638
	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		3321	
	plastics	epoxy resin	-	381.468	6.31		63106	
	inorganic material	silicondioxide	60676-86-0	1606.179	26.57	33.21	265710	332137
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		569	
	non noble metal	copper	7440-50-8	3438.006	56.88	56.96	568750	569490
*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