



Material Content Data Sheet



Sales Product Name		IDW20G65C5B		Issued		1. August 2018		
MA#		MA001675310						
Package		PG-TO247-3-41		Weight*		6045.49 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	1.599	0.03	0.03	265	265
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	87514	87628
	non noble metal	aluminium	7429-90-5	4.052	0.07	0.07	670	670
encapsulation	organic material	carbon black	1333-86-4	20.057	0.33		3318	
	plastics	epoxy resin	-	381.075	6.30		63034	
leadfinish	inorganic material	silicondioxide	60676-86-0	1604.525	26.54	33.17	265408	331760
	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5272	5272
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4808	4808
solder	non noble metal	antimony	7440-36-0	0.101	0.00		17	
	noble metal	silver	7440-22-4	0.252	0.00		42	
heatspreader	non noble metal	tin	7440-31-5	0.655	0.01	0.01	108	167
	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	56.87	56.95	568690	569430
*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

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