



Material Content Data Sheet



Sales Product Name		IDW80C65D1		Issued		20. July 2018		
MA#		MA001221638						
Package		PG-TO247-3-41		Weight*		6048.11 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	1.676	0.03	0.03	277	277
chip_2	inorganic material	silicon	7440-21-3	1.676	0.03	0.03	277	277
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	87477	87591
	non noble metal	aluminium	7429-90-5	14.682	0.24	0.24	2428	2428
wire	non noble metal	aluminium	7429-90-5	14.682	0.24	0.24	2428	2428
encapsulation	organic material	carbon black	1333-86-4	19.940	0.33		3297	
	plastics	epoxy resin	-	378.855	6.26		62640	
	inorganic material	silicondioxide	60676-86-0	1595.177	26.37	32.96	263748	329685
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5270	5270
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4806	4806
solder	non noble metal	antimony	7440-36-0	0.293	0.00		48	
	noble metal	silver	7440-22-4	0.733	0.01		121	
	non noble metal	tin	7440-31-5	1.905	0.03	0.04	315	484
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	56.85	56.93	568442	569182
*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