



Material Content Data Sheet



Sales Product Name		IDW20G120C5B		Issued		24. January 2018		
MA#		MA001622954						
Package		PG-TO247-3-41		Weight*		6045.95 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	1.332	0.02	0.02	220	220
chip_2	inorganic material	silicon	7440-21-3	1.332	0.02	0.02	220	220
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	87508	87622
	non noble metal	aluminium	7429-90-5	3.761	0.06	0.06	622	622
wire	non noble metal	aluminium	7429-90-5	3.761	0.06	0.06	622	622
encapsulation	organic material	carbon black	1333-86-4	20.045	0.33		3315	
	plastics	epoxy resin	-	380.847	6.30		62992	
	inorganic material	silicondioxide	60676-86-0	1603.567	26.52	33.15	265231	331538
leadfinish	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	4807	4807
solder	non noble metal	antimony	7440-36-0	0.189	0.00		31	
	noble metal	silver	7440-22-4	0.471	0.01		78	
	non noble metal	tin	7440-31-5	1.226	0.02	0.03	203	312
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	56.87	56.95	568647	569387
*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