



Material Content Data Sheet



Sales Product Name				IDH12G65C5		Issued		19. July 2018	
MA#				MA000989358					
Package				PG-TO220-2-1		Weight*		1966.06 mg	
Construction Element	Material Group	Substances	CAS# if applicable	Weight [mg]	Average Mass [%]	Sum [%]	Average Mass [ppm]	Sum [ppm]	
chip	inorganic material	silicon	7440-21-3	0.692	0.04		352		
	noble metal	gold	7440-57-5	0.065	0.00		33		
	non noble metal	tin	7440-31-5	0.017	0.00	0.04	9	394	
leadframe	non noble metal	iron	7439-89-6	0.753	0.04		383		
	inorganic material	phosphorus	7723-14-0	0.226	0.01		115		
	non noble metal	copper	7440-50-8	751.797	38.25	38.30	382387	382886	
wire	non noble metal	aluminium	7429-90-5	0.872	0.04	0.04	444	444	
encapsulation	organic material	carbon black	1333-86-4	9.101	0.46		4629		
	plastics	epoxy resin	-	100.109	5.09		50918		
	inorganic material	silicondioxide	60676-86-0	497.510	25.30	30.85	253049	308596	
leadfinish	non noble metal	tin	7440-31-5	14.487	0.74	0.74	7368	7368	
plating	non noble metal	nickel	7440-02-0	0.198	0.01		101		
	inorganic material	phosphorus	7723-14-0	0.000	0.00	0.01	1	101	
heatspreader	non noble metal	iron	7439-89-6	0.590	0.03		300		
	inorganic material	phosphorus	7723-14-0	0.177	0.01		90		
	non noble metal	copper	7440-50-8	589.466	29.98	30.02	299821	300211	
*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