



Material Content Data Sheet



Sales Product Name				IDH20G120C5		Issued		19. January 2018	
MA#				MA001349744					
Package				PG-TO220-2-1		Weight*		2001.23 mg	
Construction Element	Material Group	Substances	CAS# if applicable	Weight [mg]	Average Mass [%]	Sum [%]	Average Mass [ppm]	Sum [ppm]	
chip	noble metal	gold	7440-57-5	0.189	0.01		94		
	non noble metal	tin	7440-31-5	0.049	0.00		24		
	inorganic material	silicon	7440-21-3	2.092	0.10	0.11	1045	1163	
leadframe	non noble metal	iron	7439-89-6	0.753	0.04		376		
	inorganic material	phosphorus	7723-14-0	0.226	0.01		113		
	non noble metal	copper	7440-50-8	751.797	37.56	37.61	375668	376158	
wire	non noble metal	aluminium	7429-90-5	2.506	0.13	0.13	1252	1252	
	encapsulation	organic material	carbon black	1333-86-4	1.277	0.06		638	
		plastics	epoxy resin	-	58.744	2.94		29354	
	inorganic material	silicondioxide	60676-86-0	578.498	28.91	31.91	289072	319064	
leadfinish	non noble metal	tin	7440-31-5	14.668	0.73	0.73	7329	7329	
plating	non noble metal	nickel	7440-02-0	0.198	0.01		99		
	inorganic material	phosphorus	7723-14-0	0.000	0.00	0.01	1	99	
heatspreader	non noble metal	iron	7439-89-6	0.590	0.03		295		
	inorganic material	phosphorus	7723-14-0	0.177	0.01		88		
	non noble metal	copper	7440-50-8	589.466	29.46	29.50	294552	294935	
*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.
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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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