



Material Content Data Sheet



Sales Product Name		IDH20G65C5		Issued		20. July 2018		
MA#		MA000989362						
Package		PG-TO220-2-1		Weight*		1966.27 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	1.081	0.06		550	
	noble metal	gold	7440-57-5	0.102	0.01		52	
	non noble metal	tin	7440-31-5	0.026	0.00	0.07	13	615
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	38.23	38.28	382344	382843
wire	non noble metal	aluminium	7429-90-5	1.837	0.09	0.09	934	934
encapsulation	organic material	carbon black	1333-86-4	9.083	0.46		4619	
	plastics	epoxy resin	-	99.913	5.08		50813	
	inorganic material	silicondioxide	60676-86-0	496.538	25.25	30.79	252528	307960
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	299789	300179
*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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