



Material Content Data Sheet



Sales Product Name		IDH05G120C5		Issued		25. September 2017		
MA#		MA001363530						
Package		PG-TO220-2-1		Weight*		1966.20 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	0.622	0.03		316	
	noble metal	gold	7440-57-5	0.056	0.00		29	
	non noble metal	tin	7440-31-5	0.014	0.00	0.03	7	352
leadframe	non noble metal	iron	7439-89-6	0.753	0.04		383	
	inorganic material	phosphorus	7723-14-0	0.226	0.01		115	
wire	non noble metal	copper	7440-50-8	751.797	38.25	38.30	382360	382859
	non noble metal	aluminium	7429-90-5	0.659	0.03	0.03	335	335
encapsulation	organic material	carbon black	1333-86-4	9.105	0.46		4631	
	plastics	epoxy resin	-	100.150	5.09		50936	
	inorganic material	silicondioxide	60676-86-0	497.714	25.31	30.86	253136	308703
leadfinish	non noble metal	tin	7440-31-5	14.668	0.75	0.75	7460	7460
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	299800	300190
*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

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