



Material Content Data Sheet



Sales Product Name		IDH16G65C5		Issued		10. August 2018			
MA#		MA001637722							
Package		PG-TO220-2-1		Weight*		2000.68 mg			
Construction Element	Material Group	Substances	CAS# if applicable	Weight [mg]	Average Mass [%]	Sum [%]	Average Mass [ppm]	Sum [ppm]	
chip	non noble metal	tin	7440-31-5	0.021	0.00		11		
	noble metal	gold	7440-57-5	0.083	0.00		41		
	inorganic material	silicon	7440-21-3	0.881	0.04	0.04	440	492	
leadframe	inorganic material	phosphorus	7723-14-0	0.226	0.01		113		
	non noble metal	iron	7439-89-6	0.753	0.04		376		
	non noble metal	copper	7440-50-8	751.797	37.60	37.65	375768	376257	
wire	non noble metal	aluminium	7429-90-5	0.887	0.04	0.04	443	443	
	encapsulation	organic material	carbon black	1333-86-4	1.282	0.06		641	
		plastics	epoxy resin	-	58.983	2.95		29481	
	inorganic material	silicondioxide	60676-86-0	580.852	29.03	32.04	290328	320450	
leadfinish	non noble metal	tin	7440-31-5	14.487	0.72	0.72	7241	7241	
plating	inorganic material	phosphorus	7723-14-0	0.000	0.00		1		
	non noble metal	nickel	7440-02-0	0.198	0.01	0.01	99	100	
heatspreader	inorganic material	phosphorus	7723-14-0	0.177	0.01		89		
	non noble metal	iron	7439-89-6	0.590	0.03		295		
	non noble metal	copper	7440-50-8	589.466	29.46	29.50	294633	295017	
*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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