



## Material Content Data Sheet



<b>Sales Product Name</b>		IDH20G120C5		<b>Issued</b>		19. January 2018			
<b>MA#</b>		MA001694276							
<b>Package</b>		PG-TO220-2-1		<b>Weight*</b>		2001.73 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	0.024	0.00		12		
	noble metal	gold	7440-57-5	0.094	0.00		47		
	inorganic material	siliconcarbide	409-21-2	2.882	0.14	0.14	1440	1499	
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	37.57	37.62	375572	376061	
wire	non noble metal	aluminium	7429-90-5	2.507	0.13	0.13	1253	1253	
	encapsulation	organic material	carbon black	1333-86-4	1.277	0.06		638	
		plastics	epoxy resin	-	58.745	2.93		29347	
	inorganic material	silicondioxide	60676-86-0	578.510	28.90	31.89	289004	318989	
leadfinish	non noble metal	tin	7440-31-5	14.487	0.72	0.72	7237	7237	
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		88		
	non noble metal	iron	7439-89-6	0.590	0.03		295		
	non noble metal	copper	7440-50-8	589.466	29.45	29.49	294478	294861	
*deviation	< 10%		Sum in total:			100.00		1000000	

### Important Remarks:

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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