



## Material Content Data Sheet



<b>Sales Product Name</b>		IDH05G120C5		<b>Issued</b>		1. August 2018			
<b>MA#</b>		MA001694272							
<b>Package</b>		PG-TO220-2-1		<b>Weight*</b>		2000.84 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	0.014	0.00		7		
	noble metal	gold	7440-57-5	0.056	0.00		28		
	inorganic material	siliconcarbide	409-21-2	0.857	0.04	0.04	428	463	
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	37.59	37.64	375738	376227	
wire	non noble metal	aluminium	7429-90-5	0.659	0.03	0.03	329	329	
	encapsulation	organic material	carbon black	1333-86-4	1.283	0.06		641	
		plastics	epoxy resin	-	59.024	2.95		29500	
	inorganic material	silicondioxide	60676-86-0	581.255	29.05	32.06	290506	320647	
leadfinish	non noble metal	tin	7440-31-5	14.487	0.72	0.72	7240	7240	
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	294610	294994	
*deviation	< 10%		Sum in total:			100.00		1000000	

### Important Remarks:

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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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