



## Material Content Data Sheet



<b>Sales Product Name</b>				IDH05SG60C		<b>Issued</b>		27. September 2017	
<b>MA#</b>				MA000629884					
<b>Package</b>				PG-TO220-2-1		<b>Weight*</b>		1966.14 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	0.807	0.04		411		
	noble metal	gold	7440-57-5	0.025	0.00		13		
	non noble metal	tin	7440-31-5	0.007	0.00	0.04	3	427	
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	382372	382871	
wire	non noble metal	aluminium	7429-90-5	0.162	0.01	0.01	82	82	
encapsulation	organic material	carbon black	1333-86-4	9.109	0.46		4633		
	plastics	epoxy resin	-	100.198	5.10		50962		
	inorganic material	silicondioxide	60676-86-0	497.954	25.33	30.89	253265	308860	
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	299809	300199	
*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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