



## Material Content Data Sheet



<b>Sales Product Name</b>		IDH04SG60C		<b>Issued</b>		1. August 2018			
<b>MA#</b>		MA001686506							
<b>Package</b>		PG-TO220-2-1		<b>Weight*</b>		2000.73 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	0.005	0.00		2		
	noble metal	gold	7440-57-5	0.019	0.00		9		
	inorganic material	siliconcarbide	409-21-2	0.741	0.04	0.04	370	381	
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	37.58	37.63	375760	376249	
wire	non noble metal	aluminium	7429-90-5	0.165	0.01	0.01	82	82	
	encapsulation	organic material	carbon black	1333-86-4	1.284	0.06		642	
		plastics	epoxy resin	-	59.074	2.95		29526	
	inorganic material	silicondioxide	60676-86-0	581.748	29.08	32.09	290769	320937	
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	294626	295010	
*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

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