



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	IDH05SG60C	<b>Issued</b>	11. May 2021
<b>MA#</b>	MA001641584		
<b>Package</b>	PG-TO220-2-1	<b>Weight*</b>	2000.88 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	0.007			3	
	noble metal	gold	7440-57-5	0.025			13	
	inorganic material	siliconcarbide	409-21-2	1.009	0.05	0.05	504	520
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	375732	376221
wire	non noble metal	aluminium	7429-90-5	0.205	0.01	0.01	102	102
encapsulation	organic material	carbon black	1333-86-4	1.284	0.06		642	
	plastics	epoxy resin	-	59.058	2.95		29516	
	inorganic material	silicondioxide	60676-86-0	581.593	29.07	32.08	290670	320828
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			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	294605	294989
*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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