



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	IDH06G65C5	<b>Issued</b>	06. February 2022
<b>MA#</b>	MA001637718		
<b>Package</b>	PG-TO220-2-1	<b>Weight*</b>	2000.80 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	0.009			5	
	noble metal	gold	7440-57-5	0.036			18	
	inorganic material	siliconcarbide	409-21-2	0.527	0.03	0.03	263	286
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	375748	376237
wire	non noble metal	aluminium	7429-90-5	0.555	0.03	0.03	277	277
encapsulation	organic material	carbon black	1333-86-4	1.284	0.06		642	
	plastics	epoxy resin	-	59.062	2.95		29519	
	inorganic material	silicondioxide	60676-86-0	581.630	29.07	32.08	290699	320860
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	294616	295000
*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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