



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	IDH08G65C5	<b>Issued</b>	06. February 2022
<b>MA#</b>	MA001633794		
<b>Package</b>	PG-TO220-2-1	<b>Weight*</b>	2000.86 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	0.012			6	
	noble metal	gold	7440-57-5	0.046			23	
	inorganic material	siliconcarbide	409-21-2	0.672	0.03	0.03	336	365
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	375735	376224
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	-	59.053	2.95		29514	
	inorganic material	silicondioxide	60676-86-0	581.545	29.06	32.07	290648	320804
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	294606	294990
*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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