



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	IDK05G120C5	<b>Issued</b>	14. May 2021
<b>MA#</b>	MA002746616		
<b>Package</b>	PG-TO263-2-1	<b>Weight*</b>	1497.84 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	0.014			10	
	noble metal	gold	7440-57-5	0.056			38	
	inorganic material	siliconcarbide	409-21-2	0.857	0.06	0.06	572	620
leadframe	inorganic material	phosphorus	7723-14-0	0.225	0.02		150	
	non noble metal	iron	7439-89-6	0.751	0.05		501	
	non noble metal	copper	7440-50-8	749.949	50.06	50.13	500688	501339
wire	non noble metal	aluminium	7429-90-5	0.800	0.05	0.05	534	534
encapsulation	organic material	carbon black	1333-86-4	1.178	0.08		786	
	plastics	epoxy resin	-	54.190	3.62		36179	
	inorganic material	silicondioxide	60676-86-0	533.653	35.63	39.33	356282	393247
leadfinish	non noble metal	tin	7440-31-5	11.700	0.78	0.78	7811	7811
plating	inorganic material	phosphorus	7723-14-0	0.007			4	
	non noble metal	nickel	7440-02-0	2.778	0.19	0.19	1854	1858
heatspreader	inorganic material	phosphorus	7723-14-0	0.043			28	
	non noble metal	iron	7439-89-6	0.142	0.01		95	
	non noble metal	copper	7440-50-8	141.498	9.45	9.46	94468	94591
*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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