

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IDK05G120C5	**Issued**	08. April 2022
MA#	MA005710121		
Package	PG-TO263-2-1	**Weight***	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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3. All statements are based on our present knowledge, are provided 'as is' and may be subject to change at any time due to technical requirements and development without notification.

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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