

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IDK02G120C5	**Issued**	14. May 2021
MA#	MA002746614		
Package	PG-TO263-2-1	**Weight***	1497.55 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			6	
	noble metal	gold	7440-57-5	0.035			24	
	inorganic material	siliconcarbide	409-21-2	0.540	0.04	0.04	361	391
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	50.08	50.15	500783	501434
wire	non noble metal	aluminium	7429-90-5	0.200	0.01	0.01	133	133
encapsulation	organic material	carbon black	1333-86-4	1.179	0.08		788	
	plastics	epoxy resin	-	54.250	3.62		36226	
	inorganic material	silicondioxide	60676-86-0	534.248	35.67	39.37	356747	393761
leadfinish	non noble metal	tin	7440-31-5	11.700	0.78	0.78	7813	7813
plating	inorganic material	phosphorus	7723-14-0	0.007			4	
	non noble metal	nickel	7440-02-0	2.778	0.19	0.19	1855	1859
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	94486	94609
*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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