

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IDK20G120C5	**Issued**	14. May 2021
MA#	MA002746620		
Package	PG-TO263-2-1	**Weight***	1499.31 mg

Construction Element	Material Group	Substances	CAS# if applicable	Weight [mg]	Average Mass [%]	Sum [%]	Average Mass [ppm]	Sum [ppm]
chip_1	non noble metal	tin	7440-31-5	0.024			16	
	noble metal	gold	7440-57-5	0.094	0.01		63	
	inorganic material	siliconcarbide	409-21-2	1.441	0.10	0.11	961	1040
chip_2	non noble metal	tin	7440-31-5	0.024			16	
	noble metal	gold	7440-57-5	0.094	0.01		63	
	inorganic material	siliconcarbide	409-21-2	1.441	0.10	0.11	961	1040
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	49.99	50.06	500196	500847
wire	non noble metal	aluminium	7429-90-5	3.189	0.21	0.21	2127	2127
encapsulation	organic material	carbon black	1333-86-4	1.172	0.08		782	
	plastics	epoxy resin	-	53.904	3.60		35952	
	inorganic material	silicondioxide	60676-86-0	530.833	35.41	39.09	354053	390787
leadfinish	non noble metal	tin	7440-31-5	11.700	0.78	0.78	7804	7804
plating	inorganic material	phosphorus	7723-14-0	0.007			4	
	non noble metal	nickel	7440-02-0	2.778	0.19	0.19	1853	1857
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	9.44	9.45	94375	94498
*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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