

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IDK16G120C5	**Issued**	14. May 2021
MA#	MA002746618		
Package	PG-TO263-2-1	**Weight***	1498.56 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	0.017			12	
	noble metal	gold	7440-57-5	0.067			45	
	inorganic material	siliconcarbide	409-21-2	1.024	0.07	0.07	683	740
chip_2	non noble metal	tin	7440-31-5	0.017			12	
	noble metal	gold	7440-57-5	0.067			45	
	inorganic material	siliconcarbide	409-21-2	1.024	0.07	0.07	683	740
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	50.04	50.11	500446	501097
wire	non noble metal	aluminium	7429-90-5	1.612	0.11	0.11	1075	1075
encapsulation	organic material	carbon black	1333-86-4	1.175	0.08		784	
	plastics	epoxy resin	-	54.063	3.61		36077	
	inorganic material	silicondioxide	60676-86-0	532.400	35.53	39.22	355275	392136
leadfinish	non noble metal	tin	7440-31-5	11.700	0.78	0.78	7808	7808
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	9.44	9.45	94423	94546
*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.

Company	Infineon Technologies AG
Address	81726 Neubiberg
Internet	www.infineon.com