

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IDK08G120C5	**Issued**	14. May 2021
MA#	MA002746622		
Package	PG-TO263-2-1	**Weight***	1497.91 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	0.017			12	
	noble metal	gold	7440-57-5	0.067			45	
	inorganic material	siliconcarbide	409-21-2	1.024	0.07	0.07	684	741
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	500664	501315
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	-	54.180	3.62		36170	
	inorganic material	silicondioxide	60676-86-0	533.555	35.62	39.32	356199	393155
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	94463	94586
*deviation	< 10%				Sum in total:	100.00		1000000

Important Remarks:

1. Infineon Technologies AG provides full material declaration based on information provided by third parties and has taken and continues to take reasonable steps to provide representative and accurate information.
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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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