

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IDK12G65C5	**Issued**	08. April 2022
MA#	MA005702735		
Package	PG-TO263-2-1	**Weight***	1497.88 mg

Construction Element	Material Group	Substances	CAS# if applicable	Weight [mg]	Average Mass [%]	Sum [%]	Average Mass [ppm]	Sum [ppm]
chip	inorganic material	siliconcarbide	409-21-2	0.953	0.06	0.06	636	636
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	500674	501325
wire	non noble metal	aluminium	7429-90-5	1.088	0.07	0.07	726	726
encapsulation	organic material	carbon black	1333-86-4	1.178	0.08		786	
	plastics	epoxy resin	-	54.165	3.62		36161	
	inorganic material	silicondioxide	60676-86-0	533.408	35.61	39.31	356109	393056
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	94465	94588
*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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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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