



Material Content Data Sheet



Halogen-Free

Sales Product Name	IDW12G65C5	Issued	17. February 2022
MA#	MA005619771		
Package	PG-TO247-3-41	Weight*	6045.27 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	0.945	0.02	0.02	156	156
leadframe	inorganic material	phosphorus	7723-14-0	0.159			26	
	non noble metal	iron	7439-89-6	0.530	0.01		88	
	non noble metal	copper	7440-50-8	529.068	8.75	8.76	87518	87632
wire	non noble metal	aluminium	7429-90-5	2.903	0.05	0.05	480	480
encapsulation	organic material	carbon black	1333-86-4	20.077	0.33		3321	
	plastics	epoxy resin	-	381.458	6.31		63100	
	inorganic material	silicondioxide	60676-86-0	1,606.141	26.57	33.21	265686	332107
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5273	5273
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4808	4808
solder	non noble metal	antimony	7440-36-0	0.057			9	
	noble metal	silver	7440-22-4	0.142			24	
	non noble metal	tin	7440-31-5	0.370	0.01	0.01	61	94
heatspreader	inorganic material	phosphorus	7723-14-0	1.033	0.02		171	
	non noble metal	iron	7439-89-6	3.442	0.06		569	
	non noble metal	copper	7440-50-8	3,438.006	56.86	56.94	568710	569450
*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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