



Material Content Data Sheet



Halogen-Free

Sales Product Name	IDW20G120C5B	Issued	17. February 2022
MA#	MA005619491		
Package	PG-TO247-3-41	Weight*	6047.87 mg

Construction Element	Material Group	Substances	CAS# if applicable	Weight [mg]	Average Mass [%]	Sum [%]	Average Mass [ppm]	Sum [ppm]
chip_1	inorganic material	siliconcarbide	409-21-2	1.835	0.03	0.03	303	303
chip_2	inorganic material	siliconcarbide	409-21-2	1.835	0.03	0.03	303	303
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	87480	87594
wire	non noble metal	aluminium	7429-90-5	4.680	0.08	0.08	774	774
encapsulation	organic material	carbon black	1333-86-4	20.045	0.33		3314	
	plastics	epoxy resin	-	380.847	6.30		62972	
	inorganic material	silicondioxide	60676-86-0	1,603.567	26.51	33.14	265146	331432
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5270	5270
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4806	4806
solder	non noble metal	antimony	7440-36-0	0.189			31	
	noble metal	silver	7440-22-4	0.471	0.01		78	
	non noble metal	tin	7440-31-5	1.226	0.02	0.03	203	312
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	56.84	56.92	568466	569206
*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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