



Material Content Data Sheet



Halogen-Free

Sales Product Name	IDWD20G120C5	Issued	13. May 2021
MA#	MA002256744		
Package	PG-TO247-2-2	Weight*	5754.22 mg

Construction Element	Material Group	Substances	CAS# if applicable	Weight [mg]	Average Mass [%]	Sum [%]	Average Mass [ppm]	Sum [ppm]
chip_1	inorganic material	silicon	7440-21-3	1.332	0.02	0.02	231	231
chip_2	inorganic material	silicon	7440-21-3	1.332	0.02	0.02	231	231
leadframe	inorganic material	phosphorus	7723-14-0	1.136	0.02		197	
	non noble metal	iron	7439-89-6	3.785	0.07		658	
	non noble metal	copper	7440-50-8	3,780.106	65.70	65.79	656928	657783
wire	non noble metal	aluminium	7429-90-5	3.715	0.06	0.06	646	646
encapsulation	organic material	carbon black	1333-86-4	19.471	0.34		3384	
	plastics	epoxy resin	-	369.942	6.43		64291	
	inorganic material	silicondioxide	60676-86-0	1,557.652	27.07	33.84	270697	338372
leadfinish	non noble metal	tin	7440-31-5	11.505	0.20	0.20	1999	1999
plating	non noble metal	nickel	7440-02-0	2.360	0.04	0.04	410	410
solder	non noble metal	antimony	7440-36-0	0.189			33	
	noble metal	silver	7440-22-4	0.471	0.01		82	
	non noble metal	tin	7440-31-5	1.226	0.02	0.03	213	328
*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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