



Material Content Data Sheet



Halogen-Free

Sales Product Name	IDWD20G120C5	Issued	14. February 2022
MA#	MA005621357		
Package	PG-TO247-2-2	Weight*	5756.13 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	319	319
chip_2	inorganic material	siliconcarbide	409-21-2	1.835	0.03	0.03	319	319
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	65.67	65.76	656708	657563
wire	non noble metal	aluminium	7429-90-5	4.622	0.08	0.08	803	803
encapsulation	organic material	carbon black	1333-86-4	19.471	0.34		3383	
	plastics	epoxy resin	-	369.942	6.43		64269	
	inorganic material	silicondioxide	60676-86-0	1,557.652	27.06	33.83	270607	338259
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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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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