



Material Content Data Sheet



Halogen-Free

Sales Product Name	IDWD40G120C5	Issued	13. May 2021
MA#	MA002262344		
Package	PG-TO247-2-2	Weight*	5755.91 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	2.452	0.04	0.04	426	426
chip_2	inorganic material	silicon	7440-21-3	2.452	0.04	0.04	426	426
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	656735	657590
wire	non noble metal	aluminium	7429-90-5	7.223	0.13	0.13	1255	1255
encapsulation	organic material	carbon black	1333-86-4	19.418	0.34		3374	
	plastics	epoxy resin	-	368.947	6.41		64099	
	inorganic material	silicondioxide	60676-86-0	1,553.459	26.99	33.74	269889	337362
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	0.306	0.01		53	
	noble metal	silver	7440-22-4	0.766	0.01		133	
	non noble metal	tin	7440-31-5	1.991	0.03	0.05	346	532
*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.

Company	Infineon Technologies AG
Address	81726 Neubiberg
Internet	www.infineon.com