



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	IDW80C65D2	<b>Issued</b>	14. February 2022
<b>MA#</b>	MA005626486		
<b>Package</b>	PG-TO247-3-41	<b>Weight*</b>	6106.43 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	1.676	0.03	0.03	275	275
chip_2	inorganic material	silicon	7440-21-3	1.676	0.03	0.03	275	275
leadframe	inorganic material	phosphorus	7723-14-0	0.159			26	
	non noble metal	iron	7439-89-6	0.530	0.01		87	
	non noble metal	copper	7440-50-8	529.068	8.66	8.67	86641	86754
wire	non noble metal	aluminium	7429-90-5	18.707	0.31	0.31	3064	3064
encapsulation	organic material	carbon black	1333-86-4	19.873	0.33		3254	
	plastics	epoxy resin	-	377.590	6.18		61835	
	inorganic material	silicondioxide	60676-86-0	1,589.854	26.04	32.55	260357	325446
leadfinish	non noble metal	tin	7440-31-5	63.749	1.04	1.04	10440	10440
plating	non noble metal	nickel	7440-02-0	58.129	0.95	0.95	9519	9519
solder	non noble metal	antimony	7440-36-0	0.293			48	
	noble metal	silver	7440-22-4	0.733	0.01		120	
	non noble metal	tin	7440-31-5	1.905	0.03	0.04	312	480
heatspreader	inorganic material	phosphorus	7723-14-0	1.033	0.02		169	
	non noble metal	iron	7439-89-6	3.442	0.06		564	
	non noble metal	copper	7440-50-8	3,438.006	56.30	56.38	563014	563747
*deviation	< 10%				Sum in total:	100.00		1000000

### Important Remarks:

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