



Material Content Data Sheet



Halogen-Free

Sales Product Name	IKW40N65ET7	Issued	27. April 2022
MA#	MA005731088		
Package	PG-TO247-3-41	Weight*	6052.78 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	2.328	0.04	0.04	385	385
chip_2	inorganic material	silicon	7440-21-3	1.458	0.02	0.02	241	241
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	8.74	8.75	87409	87523
wire	non noble metal	aluminium	7429-90-5	21.268	0.35	0.35	3514	3514
encapsulation	organic material	carbon black	1333-86-4	19.914	0.33		3290	
	plastics	epoxy resin	-	378.373	6.25		62512	
	inorganic material	silicondioxide	60676-86-0	1,593.149	26.32	32.90	263209	329011
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5266	5266
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4802	4802
solder	non noble metal	antimony	7440-36-0	0.311	0.01		51	
	noble metal	silver	7440-22-4	0.778	0.01		129	
	non noble metal	tin	7440-31-5	2.024	0.03	0.05	334	514
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	56.80	56.88	568004	568744
*deviation	< 10%	Sum in total:				100.00		1000000

Important Remarks:

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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