

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IKW20N65ET7	**Issued**	27. April 2022
MA#	MA005731085		
Package	PG-TO247-3-41	**Weight***	6048.47 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	1.315	0.02	0.02	217	217
chip_2	inorganic material	silicon	7440-21-3	0.847	0.01	0.01	140	140
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	8.75	8.76	87472	87586
wire	non noble metal	aluminium	7429-90-5	10.556	0.17	0.17	1745	1745
encapsulation	organic material	carbon black	1333-86-4	20.007	0.33		3308	
	plastics	epoxy resin	-	380.132	6.28		62848	
	inorganic material	silicondioxide	60676-86-0	1,600.557	26.46	33.07	264622	330778
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5270	5270
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4805	4805
solder	non noble metal	antimony	7440-36-0	0.187			31	
	noble metal	silver	7440-22-4	0.469	0.01		77	
	non noble metal	tin	7440-31-5	1.218	0.02	0.03	201	309
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	56.85	56.93	568410	569150
*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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