

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IKW40N65ET7	**Issued**	16. May 2021
MA#	MA005403716		
Package	PG-TO247-3-48	**Weight***	5969.80 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	390	390
chip_2	inorganic material	silicon	7440-21-3	1.458	0.02	0.02	244	244
leadframe	inorganic material	phosphorus	7723-14-0	0.159			27	
	non noble metal	iron	7439-89-6	0.530	0.01		89	
	non noble metal	copper	7440-50-8	529.068	8.86	8.87	88624	88740
wire	non noble metal	aluminium	7429-90-5	21.268	0.36	0.36	3563	3563
encapsulation	organic material	carbon black	1333-86-4	9.542	0.16		1598	
	plastics	epoxy resin	-	381.692	6.39		63937	
	inorganic material	silicondioxide	60676-86-0	1,517.225	25.42	31.97	254150	319685
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5339	5339
plating	non noble metal	nickel	7440-02-0	29.065	0.49	0.49	4869	4869
solder	non noble metal	antimony	7440-36-0	0.311	0.01		52	
	noble metal	silver	7440-22-4	0.778	0.01		130	
	non noble metal	tin	7440-31-5	2.024	0.03	0.05	339	521
heatspreader	inorganic material	phosphorus	7723-14-0	1.033	0.02		173	
	non noble metal	iron	7439-89-6	3.442	0.06		577	
	non noble metal	copper	7440-50-8	3,438.006	57.59	57.67	575899	576649
*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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