

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IKW50N65ET7	**Issued**	16. May 2021
MA#	MA005348538		
Package	PG-TO247-3-48	**Weight***	5969.48 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	1.726	0.03	0.03	289	289
chip_2	inorganic material	silicon	7440-21-3	2.817	0.05	0.05	472	472
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	88629	88745
wire	non noble metal	aluminium	7429-90-5	18.370	0.31	0.31	3077	3077
encapsulation	organic material	carbon black	1333-86-4	9.549	0.16		1600	
	plastics	epoxy resin	-	381.940	6.40		63982	
	inorganic material	silicondioxide	60676-86-0	1,518.213	25.43	31.99	254329	319911
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5340	5340
plating	non noble metal	nickel	7440-02-0	29.065	0.49	0.49	4869	4869
solder	non noble metal	antimony	7440-36-0	0.368	0.01		62	
	noble metal	silver	7440-22-4	0.921	0.02		154	
	non noble metal	tin	7440-31-5	2.394	0.04	0.07	401	617
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	57.58	57.66	575930	576680
*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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