



Material Content Data Sheet



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.
2. Infineon Technologies AG and Infineon Technologies AG suppliers consider certain information to be proprietary, and thus CAS numbers and other limited information may not be available for release.
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.

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