



Material Content Data Sheet



Halogen-Free

Sales Product Name	IKP40N65F5	Issued	24. February 2022
MA#	MA005709006		
Package	PG-TO220-3-1	Weight*	2034.09 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	0.742	0.04	0.04	365	365
chip_2	inorganic material	silicon	7440-21-3	2.111	0.10	0.10	1038	1038
leadframe	inorganic material	phosphorus	7723-14-0	0.245	0.01		120	
	non noble metal	iron	7439-89-6	0.816	0.04		401	
	non noble metal	copper	7440-50-8	815.335	40.08	40.13	400836	401357
wire	non noble metal	aluminium	7429-90-5	11.291	0.56	0.56	5551	5551
encapsulation	organic material	carbon black	1333-86-4	5.891	0.29		2896	
	plastics	epoxy resin	-	111.928	5.50		55026	
	inorganic material	silicondioxide	60676-86-0	471.277	23.17	28.96	231690	289612
leadfinish	non noble metal	tin	7440-31-5	21.462	1.06	1.06	10551	10551
plating	inorganic material	phosphorus	7723-14-0	0.001			1	
	non noble metal	nickel	7440-02-0	0.244	0.01	0.01	120	121
solder	non noble metal	antimony	7440-36-0	0.251	0.01		123	
	noble metal	silver	7440-22-4	0.627	0.03		308	
	non noble metal	tin	7440-31-5	1.631	0.08	0.12	802	1233
heatspreader	inorganic material	phosphorus	7723-14-0	0.177	0.01		87	
	non noble metal	iron	7439-89-6	0.590	0.03		290	
	non noble metal	copper	7440-50-8	589.466	28.98	29.02	289795	290172
*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