

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IKP15N65H5	**Issued**	23. December 2019
MA#	MA005402988		
Package	PG-TO220-3-1	**Weight***	2031.12 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	0.366	0.02	0.02	180	180
chip_2	inorganic material	silicon	7440-21-3	1.023	0.05	0.05	504	504
leadframe	inorganic material	phosphorus	7723-14-0	0.245	0.01		121	
	non noble metal	iron	7439-89-6	0.816	0.04		402	
	non noble metal	copper	7440-50-8	815.335	40.14	40.19	401420	401943
wire	non noble metal	aluminium	7429-90-5	5.130	0.25	0.25	2526	2526
encapsulation	organic material	carbon black	1333-86-4	5.950	0.29		2929	
	plastics	epoxy resin	-	113.048	5.57		55658	
	inorganic material	silicondioxide	60676-86-0	475.990	23.43	29.29	234348	292935
leadfinish	non noble metal	tin	7440-31-5	21.462	1.06	1.06	10567	10567
plating	inorganic material	phosphorus	7723-14-0	0.001	0.00		1	
	non noble metal	nickel	7440-02-0	0.244	0.01	0.01	120	121
solder	non noble metal	antimony	7440-36-0	0.128	0.01		63	
	noble metal	silver	7440-22-4	0.319	0.02		157	
	non noble metal	tin	7440-31-5	0.830	0.04	0.07	409	629
heatspreader	inorganic material	phosphorus	7723-14-0	0.177	0.01		87	
	non noble metal	iron	7439-89-6	0.590	0.03		291	
	non noble metal	copper	7440-50-8	589.466	29.02	29.06	290217	290595
*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 München
Internet	www.infineon.com