

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IKP20N65H5	**Issued**	17. May 2021
MA#	MA005414050		
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	0.525	0.03	0.03	258	258
chip_2	inorganic material	silicon	7440-21-3	0.525	0.03	0.03	258	258
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	40.15	40.20	401421	401944
wire	non noble metal	aluminium	7429-90-5	5.973	0.29	0.29	2941	2941
encapsulation	organic material	carbon black	1333-86-4	5.947	0.29		2928	
	plastics	epoxy resin	-	112.998	5.56		55634	
	inorganic material	silicondioxide	60676-86-0	475.783	23.42	29.27	234247	292809
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			1	
	non noble metal	nickel	7440-02-0	0.244	0.01	0.01	120	121
solder	non noble metal	antimony	7440-36-0	0.103	0.01		51	
	noble metal	silver	7440-22-4	0.257	0.01		127	
	non noble metal	tin	7440-31-5	0.668	0.03	0.05	329	507
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:

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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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