

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IKP40N65F5	**Issued**	18. August 2021
MA#	MA005414033		
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:

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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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