



Material Content Data Sheet



Sales Product Name				IKP30N65F5		Issued		19. July 2018	
MA#				MA001133704					
Package				PG-TO220-3-1		Weight*		2031.60 mg	
Construction Element	Material Group	Substances	CAS# if applicable	Weight [mg]	Average Mass [%]	Sum [%]	Average Mass [ppm]	Sum [ppm]	
chip	inorganic material	silicon	7440-21-3	2.381	0.12	0.12	1172	1172	
leadframe	non noble metal	iron	7439-89-6	0.816	0.04		402		
	inorganic material	phosphorus	7723-14-0	0.245	0.01		121		
	non noble metal	copper	7440-50-8	815.335	40.13	40.18	401326	401850	
wire	non noble metal	aluminium	7429-90-5	9.794	0.48	0.48	4821	4821	
encapsulation	organic material	carbon black	1333-86-4	5.889	0.29		2899		
	plastics	epoxy resin	-	111.898	5.51		55079		
	inorganic material	silicondioxide	60676-86-0	471.151	23.19	28.99	231912	289890	
leadfinish	non noble metal	tin	7440-31-5	21.462	1.06	1.06	10564	10564	
plating	non noble metal	nickel	7440-02-0	0.244	0.01		120		
	inorganic material	phosphorus	7723-14-0	0.001	0.00	0.01	1	120	
solder	non noble metal	antimony	7440-36-0	0.215	0.01		106		
	noble metal	silver	7440-22-4	0.536	0.03		264		
	non noble metal	tin	7440-31-5	1.394	0.07	0.11	686	1056	
heatspreader	non noble metal	iron	7439-89-6	0.590	0.03		291		
	inorganic material	phosphorus	7723-14-0	0.177	0.01		87		
	non noble metal	copper	7440-50-8	589.466	29.01	29.05	290149	290527	
*deviation	< 10%					Sum in total:	100.00	1000000	

Important Remarks:

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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

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