



Material Content Data Sheet



Sales Product Name		IKA15N65F5		Issued		31. July 2018		
MA#		MA001403616						
Package		PG-TO220-3-313		Weight*		2209.58 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	0.952	0.04	0.04	431	431
chip_2	inorganic material	silicon	7440-21-3	0.366	0.02	0.02	166	166
leadframe	inorganic material	phosphorus	7723-14-0	0.271	0.01		123	
	non noble metal	iron	7439-89-6	0.903	0.04		409	
	non noble metal	copper	7440-50-8	902.149	40.83	40.88	408289	408821
	non noble metal	aluminium	7429-90-5	4.914	0.22	0.22	2224	2224
wire	non noble metal	aluminium	7429-90-5	4.914	0.22	0.22	2224	2224
encapsulation	organic material	carbon black	1333-86-4	2.281	0.10		1033	
	plastics	epoxy resin	-	215.031	9.73		97317	
	inorganic material	silicondioxide	60676-86-0	926.860	41.95	51.78	419473	517823
leadfinish	non noble metal	tin	7440-31-5	7.877	0.36	0.36	3565	3565
plating	non noble metal	nickel	7440-02-0	1.656	0.07	0.07	749	749
solder	non noble metal	antimony	7440-36-0	0.126	0.01		57	
	noble metal	silver	7440-22-4	0.314	0.01		142	
	non noble metal	tin	7440-31-5	0.817	0.04	0.06	370	569
heatspreader	inorganic material	phosphorus	7723-14-0	0.044	0.00		20	
	non noble metal	iron	7439-89-6	0.145	0.01		66	
	non noble metal	copper	7440-50-8	144.874	6.56	6.57	65566	65652
*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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