



Material Content Data Sheet



Sales Product Name		IKA08N65F5		Issued		31. July 2018		
MA#		MA001404134						
Package		PG-TO220-3-313		Weight*		2209.16 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	0.606	0.03	0.03	274	274
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	
wire	non noble metal	copper	7440-50-8	902.149	40.84	40.89	408367	408899
	non noble metal	aluminium	7429-90-5	3.074	0.14	0.14	1392	1392
encapsulation	organic material	carbon black	1333-86-4	2.289	0.10		1036	
	plastics	epoxy resin	-	215.452	9.75		97527	
	inorganic material	silicondioxide	60676-86-0	928.487	42.02	51.87	420288	518851
leadfinish	non noble metal	tin	7440-31-5	7.877	0.36	0.36	3566	3566
plating	non noble metal	nickel	7440-02-0	1.656	0.08	0.08	750	750
solder	non noble metal	antimony	7440-36-0	0.096	0.00		44	
	noble metal	silver	7440-22-4	0.241	0.01		109	
	non noble metal	tin	7440-31-5	0.627	0.03	0.04	284	437
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	65579	65665
*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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