



Material Content Data Sheet



Sales Product Name		IKA10N60T		Issued		24. January 2018		
MA#		MA001404094						
Package		PG-TO220-3-313		Weight*		2215.00 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	1.810	0.08	0.08	817	817
leadframe	inorganic material	phosphorus	7723-14-0	0.271	0.01		122	
	non noble metal	iron	7439-89-6	0.903	0.04		408	
	non noble metal	copper	7440-50-8	902.149	40.73	40.78	407291	407821
	non noble metal	aluminium	7429-90-5	3.134	0.14	0.14	1415	1415
wire	non noble metal	aluminium	7429-90-5	3.134	0.14	0.14	1415	1415
encapsulation	organic material	carbon black	1333-86-4	2.302	0.10		1039	
	plastics	epoxy resin	-	216.330	9.77		97666	
	inorganic material	silicondioxide	60676-86-0	932.012	42.08	51.95	420774	519479
leadfinish	non noble metal	tin	7440-31-5	7.877	0.36	0.36	3556	3556
plating	non noble metal	nickel	7440-02-0	1.656	0.07	0.07	748	748
solder	non noble metal	antimony	7440-36-0	0.149	0.01		67	
	noble metal	silver	7440-22-4	0.373	0.02		168	
	non noble metal	tin	7440-31-5	0.970	0.04	0.07	438	673
heatspreader	inorganic material	phosphorus	7723-14-0	0.044	0.00		20	
	non noble metal	iron	7439-89-6	0.145	0.01		65	
	non noble metal	copper	7440-50-8	144.874	6.54	6.55	65406	65491
*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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