



Material Content Data Sheet



Sales Product Name		IKA15N60T		Issued		21. March 2016		
MA#		MA001078280						
Package		PG-TO220-3-111		Weight*		2238.56 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	2.468	0.11	0.11	1103	1103
leadframe	non noble metal	iron	7439-89-6	0.687	0.03		307	
	inorganic material	phosphorus	7723-14-0	0.206	0.01		92	
	non noble metal	copper	7440-50-8	686.221	30.65	30.69	306547	306946
wire	non noble metal	aluminium	7429-90-5	26.364	1.18	1.18	11777	11777
encapsulation	organic material	carbon black	1333-86-4	2.159	0.10		965	
	plastics	epoxy resin	-	202.991	9.07		90679	
	inorganic material	silicondioxide	60676-86-0	874.588	39.07	48.24	390691	482336
leadfinish	non noble metal	tin	7440-31-5	7.942	0.35	0.35	3548	3548
plating	non noble metal	nickel	7440-02-0	0.305	0.01		136	
	inorganic material	phosphorus	7723-14-0	0.001	0.00	0.01	1	136
solder	non noble metal	antimony	7440-36-0	0.195	0.01		87	
	noble metal	silver	7440-22-4	0.488	0.02		218	
	non noble metal	tin	7440-31-5	1.270	0.06	0.09	567	872
heatspreader	non noble metal	iron	7439-89-6	0.433	0.02		193	
	inorganic material	phosphorus	7723-14-0	0.130	0.01		58	
	non noble metal	copper	7440-50-8	432.110	19.30	19.33	193031	193282
*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 2011/65/EU (RoHS) and does not use any exemption.

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