



Material Content Data Sheet



Sales Product Name		IKA10N60T		Issued		21. March 2016		
MA#		MA001073756						
Package		PG-TO220-3-111		Weight*		2238.22 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	809	809
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	30.66	30.70	306592	306991
wire	non noble metal	aluminium	7429-90-5	26.443	1.18	1.18	11814	11814
encapsulation	organic material	carbon black	1333-86-4	2.161	0.10		965	
	plastics	epoxy resin	-	203.123	9.08		90752	
	inorganic material	silicondioxide	60676-86-0	875.157	39.09	48.27	391005	482723
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	0.149	0.01		67	
	noble metal	silver	7440-22-4	0.373	0.02		167	
	non noble metal	tin	7440-31-5	0.970	0.04	0.07	434	668
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	19.31	19.34	193060	193311
*deviation	< 10%					Sum in total:	100.00	1000000

Important Remarks:

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This product is in compliance with EU Directive 2011/65/EU (RoHS) and does not use any exemption.

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