



## Material Content Data Sheet



<b>Sales Product Name</b>		IKA15N60T		<b>Issued</b>		10. May 2016		
<b>MA#</b>		MA000268430						
<b>Package</b>		PG-TO220-3-111		<b>Weight*</b>		2244.83 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	3.570	0.16	0.16	1591	1591
leadframe	non noble metal	iron	7439-89-6	0.687	0.03		306	
	inorganic material	phosphorus	7723-14-0	0.206	0.01		92	
	non noble metal	copper	7440-50-8	686.221	30.57	30.61	305689	306087
wire	non noble metal	aluminium	7429-90-5	2.491	0.11	0.11	1110	1110
encapsulation	organic material	carbon black	1333-86-4	2.224	0.10		991	
	plastics	epoxy resin	-	208.418	9.28		92843	
	inorganic material	silicondioxide	60676-86-0	897.533	39.99	49.37	399821	493656
leadfinish	non noble metal	tin	7440-31-5	7.942	0.35	0.35	3538	3538
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	0.256	0.01		114	
	noble metal	silver	7440-22-4	0.640	0.03		285	
	non noble metal	tin	7440-31-5	1.664	0.07	0.11	741	1140
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	19.25	19.28	192491	192742
*deviation	< 10%		Sum in total:			100.00		1000000

### Important Remarks:

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