



## Material Content Data Sheet



<b>Sales Product Name</b>		IKA15N60T		<b>Issued</b>		27. September 2017		
<b>MA#</b>		MA001363810						
<b>Package</b>		PG-TO220-3-313		<b>Weight*</b>		2214.40 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	1115	1115
leadframe	non noble metal	iron	7439-89-6	0.903	0.04		408	
	inorganic material	phosphorus	7723-14-0	0.271	0.01		122	
	non noble metal	copper	7440-50-8	902.149	40.74	40.79	407401	407931
wire	non noble metal	aluminium	7429-90-5	3.275	0.15	0.15	1479	1479
encapsulation	organic material	carbon black	1333-86-4	2.306	0.10		1041	
	plastics	epoxy resin	-	216.039	9.76		97561	
	inorganic material	silicondioxide	60676-86-0	930.319	42.01	51.87	420121	518723
leadfinish	non noble metal	tin	7440-31-5	7.975	0.36	0.36	3602	3602
plating	non noble metal	nickel	7440-02-0	1.676	0.08	0.08	757	757
solder	non noble metal	antimony	7440-36-0	0.195	0.01		88	
	noble metal	silver	7440-22-4	0.488	0.02		221	
	non noble metal	tin	7440-31-5	1.270	0.06	0.09	574	883
heatspreader	non noble metal	iron	7439-89-6	0.145	0.01		66	
	inorganic material	phosphorus	7723-14-0	0.044	0.00		20	
	non noble metal	copper	7440-50-8	144.874	6.54	6.55	65424	65510
*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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