



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	IKA10N60T	<b>Issued</b>	11. August 2021
<b>MA#</b>	MA005342020		
<b>Package</b>	PG-TO220-3-313	<b>Weight*</b>	2209.30 mg

Construction Element	Material Group	Substances	CAS# if applicable	Weight [mg]	Average Mass [%]	Sum [%]	Average Mass [ppm]	Sum [ppm]
chip_1	inorganic material	silicon	7440-21-3	0.641	0.03	0.03	290	290
chip_2	inorganic material	silicon	7440-21-3	1.169	0.05	0.05	529	529
leadframe	inorganic material	phosphorus	7723-14-0	0.271	0.01		123	
	non noble metal	iron	7439-89-6	0.903	0.04		409	
	non noble metal	copper	7440-50-8	902.149	40.83	40.88	408342	408874
wire	non noble metal	aluminium	7429-90-5	3.982	0.18	0.18	1802	1802
encapsulation	organic material	carbon black	1333-86-4	2.295	0.10		1039	
	plastics	epoxy resin	-	215.160	9.74		97388	
	inorganic material	silicondioxide	60676-86-0	926.638	41.95	51.79	419427	517854
leadfinish	non noble metal	tin	7440-31-5	7.877	0.36	0.36	3565	3565
plating	non noble metal	nickel	7440-02-0	1.656	0.07	0.07	749	749
solder	non noble metal	antimony	7440-36-0	0.149	0.01		68	
	noble metal	silver	7440-22-4	0.373	0.02		169	
	non noble metal	tin	7440-31-5	0.970	0.04	0.07	439	676
heatspreader	inorganic material	phosphorus	7723-14-0	0.044			20	
	non noble metal	iron	7439-89-6	0.145	0.01		66	
	non noble metal	copper	7440-50-8	144.874	6.56	6.57	65575	65661
*deviation	< 10%	Sum in total:				100.00		1000000

### Important Remarks:

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