



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	IKA06N60T	<b>Issued</b>	11. August 2021
<b>MA#</b>	MA005342018		
<b>Package</b>	PG-TO220-3-313	<b>Weight*</b>	2208.41 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	0.447	0.02	0.02	202	202
chip_2	inorganic material	silicon	7440-21-3	0.812	0.04	0.04	368	368
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	40.85	40.90	408505	409037
wire	non noble metal	aluminium	7429-90-5	1.663	0.08	0.08	753	753
encapsulation	organic material	carbon black	1333-86-4	2.299	0.10		1041	
	plastics	epoxy resin	-	215.599	9.76		97626	
	inorganic material	silicondioxide	60676-86-0	928.577	42.05	51.91	420472	519139
leadfinish	non noble metal	tin	7440-31-5	7.877	0.36	0.36	3567	3567
plating	non noble metal	nickel	7440-02-0	1.656	0.08	0.08	750	750
solder	non noble metal	antimony	7440-36-0	0.110			50	
	noble metal	silver	7440-22-4	0.275	0.01		124	
	non noble metal	tin	7440-31-5	0.714	0.03	0.04	323	497
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	65601	65687
*deviation	< 10%	Sum in total:				100.00		1000000

### Important Remarks:

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