



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	IKA08N65ET6	<b>Issued</b>	02. June 2021
<b>MA#</b>	MA001647066		
<b>Package</b>	PG-TO220-3-313	<b>Weight*</b>	2208.75 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	0.543	0.02	0.02	246	246
chip_2	inorganic material	silicon	7440-21-3	0.366	0.02	0.02	166	166
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	40.84	40.89	408442	408974
wire	non noble metal	aluminium	7429-90-5	1.214	0.06	0.06	550	550
encapsulation	organic material	carbon black	1333-86-4	2.299	0.10		1041	
	plastics	epoxy resin	-	215.819	9.77		97711	
	inorganic material	silicondioxide	60676-86-0	929.653	42.09	51.96	420894	519646
leadfinish	non noble metal	tin	7440-31-5	7.877	0.36	0.36	3566	3566
plating	non noble metal	nickel	7440-02-0	1.656	0.08	0.08	750	750
solder	non noble metal	antimony	7440-36-0	0.094			43	
	noble metal	silver	7440-22-4	0.235	0.01		106	
	non noble metal	tin	7440-31-5	0.610	0.03	0.04	276	425
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	65591	65677
*deviation	< 10%	Sum in total:				100.00		1000000

### Important Remarks:

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