



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	AIKW30N60CT	<b>Issued</b>	11. August 2021
<b>MA#</b>	MA001393212		
<b>Package</b>	PG-TO247-3-41	<b>Weight*</b>	6052.94 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	1.483	0.02	0.02	245	245
chip_2	inorganic material	silicon	7440-21-3	3.012	0.05	0.05	498	498
leadframe	inorganic material	phosphorus	7723-14-0	0.159			26	
	non noble metal	iron	7439-89-6	0.530	0.01		88	
	non noble metal	copper	7440-50-8	529.068	8.74	8.75	87407	87521
wire	non noble metal	aluminium	7429-90-5	20.755	0.34	0.34	3429	3429
encapsulation	organic material	carbon black	1333-86-4	19.912	0.33		3290	
	plastics	epoxy resin	-	378.320	6.25		62502	
	inorganic material	silicondioxide	60676-86-0	1,592.926	26.32	32.90	263165	328957
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5266	5266
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4802	4802
solder	non noble metal	antimony	7440-36-0	0.335	0.01		55	
	noble metal	silver	7440-22-4	0.838	0.01		138	
	non noble metal	tin	7440-31-5	2.178	0.04	0.06	360	553
heatspreader	inorganic material	phosphorus	7723-14-0	1.033	0.02		171	
	non noble metal	iron	7439-89-6	3.442	0.06		569	
	non noble metal	copper	7440-50-8	3,438.006	56.79	56.87	567989	568729
*deviation	< 10%	Sum in total:				100.00		1000000

### Important Remarks:

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