



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	AIKW50N65DH5	<b>Issued</b>	29. June 2021
<b>MA#</b>	MA005414117		
<b>Package</b>	PG-TO247-3-41	<b>Weight*</b>	6051.58 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	2.767	0.05	0.05	457	457
chip_2	inorganic material	silicon	7440-21-3	1.008	0.02	0.02	167	167
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	87426	87540
wire	non noble metal	aluminium	7429-90-5	17.116	0.28	0.28	2828	2828
encapsulation	organic material	carbon black	1333-86-4	19.944	0.33		3296	
	plastics	epoxy resin	-	378.935	6.26		62617	
	inorganic material	silicondioxide	60676-86-0	1,595.517	26.37	32.96	263652	329565
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5267	5267
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4803	4803
solder	non noble metal	antimony	7440-36-0	0.312	0.01		52	
	noble metal	silver	7440-22-4	0.780	0.01		129	
	non noble metal	tin	7440-31-5	2.027	0.03	0.05	335	516
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	56.80	56.88	568117	568857
*deviation	< 10%	Sum in total:				100.00		1000000

### Important Remarks:

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