



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	AIKW40N65DH5	<b>Issued</b>	29. June 2021
<b>MA#</b>	MA005413676		
<b>Package</b>	PG-TO247-3-41	<b>Weight*</b>	6051.02 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	2.297	0.04	0.04	380	380
chip_2	inorganic material	silicon	7440-21-3	0.831	0.01	0.01	137	137
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	87435	87549
wire	non noble metal	aluminium	7429-90-5	16.849	0.28	0.28	2784	2784
encapsulation	organic material	carbon black	1333-86-4	19.952	0.33		3297	
	plastics	epoxy resin	-	379.096	6.26		62650	
	inorganic material	silicondioxide	60676-86-0	1,596.193	26.38	32.97	263789	329736
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5268	5268
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4803	4803
solder	non noble metal	antimony	7440-36-0	0.262			43	
	noble metal	silver	7440-22-4	0.656	0.01		108	
	non noble metal	tin	7440-31-5	1.706	0.03	0.04	282	433
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	56.82	56.90	568170	568910
*deviation	< 10%	Sum in total:				100.00		1000000

### Important Remarks:

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