

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	AIKW30N60CT	**Issued**	15. May 2021
MA#	MA004668296		
Package	PG-TO247-3-41	**Weight***	6052.74 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	1.539	0.03	0.03	254	254
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	87410	87524
wire	non noble metal	aluminium	7429-90-5	19.997	0.33	0.33	3304	3304
encapsulation	organic material	carbon black	1333-86-4	19.916	0.33		3290	
	plastics	epoxy resin	-	378.413	6.25		62519	
	inorganic material	silicondioxide	60676-86-0	1,593.318	26.32	32.90	263239	329048
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	0.337	0.01		56	
	noble metal	silver	7440-22-4	0.841	0.01		139	
	non noble metal	tin	7440-31-5	2.188	0.04	0.06	361	556
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	568008	568748
*deviation	< 10%				Sum in total:	100.00		1000000

Important Remarks:

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This product is in compliance with EU Directive 2015/863/EU amending Annex II to EU Directive 2011/65/EU (RoHS) and does not use any exemption.

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