



## Material Content Data Sheet



Halogen-Free

**Sales Product Name** AIDW20S65C5

**Issued**

01. April 2021

**MA#** MA001481356

**Package** PG-TO247-3-41

**Weight\***

6046.28 mg

Construction Element	Material Group	Substances	CAS# if applicable	Weight [mg]	Average Mass [%]	Sum [%]	Average Mass [ppm]	Sum [ppm]
chip	inorganic material	siliconcarbide	409-21-2	1.477	0.02	0.02	244	244
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	8.75	8.76	87503	87617
wire	non noble metal	aluminium	7429-90-5	5.066	0.08	0.08	838	838
encapsulation	organic material	carbon black	1333-86-4	20.058	0.33		3317	
	plastics	epoxy resin	-	381.095	6.30		63030	
	inorganic material	silicondioxide	60676-86-0	1,604.611	26.54	33.17	265388	331735
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5272	5272
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4807	4807
solder	non noble metal	antimony	7440-36-0	0.080			13	
	noble metal	silver	7440-22-4	0.199			33	
	non noble metal	tin	7440-31-5	0.518	0.01	0.01	86	132
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	56.87	56.95	568615	569355
*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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