



## Material Content Data Sheet



Halogen-Free

**Sales Product Name** AIDW40S65C5

**Issued**

14. February 2022

**MA#** MA005619189

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

**Weight\***

6048.64 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	2.769	0.05	0.05	458	458
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	87469	87583
wire	non noble metal	aluminium	7429-90-5	10.081	0.17	0.17	1667	1667
encapsulation	organic material	carbon black	1333-86-4	20.013	0.33		3309	
	plastics	epoxy resin	-	380.247	6.29		62865	
	inorganic material	silicondioxide	60676-86-0	1,601.038	26.47	33.09	264694	330868
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5270	5270
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4805	4805
solder	non noble metal	antimony	7440-36-0	0.131			22	
	noble metal	silver	7440-22-4	0.328	0.01		54	
	non noble metal	tin	7440-31-5	0.853	0.01	0.02	141	217
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	568392	569132
*deviation	< 10%	Sum in total:				100.00		1000000

### Important Remarks:

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