



Material Content Data Sheet



Halogen-Free

Sales Product Name AIGW50N65H5

Issued

06. May 2021

MA# MA001393132

Package PG-TO247-3-41

Weight*

6048.67 mg

Construction Element	Material Group	Substances	CAS# if applicable	Weight [mg]	Average Mass [%]	Sum [%]	Average Mass [ppm]	Sum [ppm]
chip	inorganic material	silicon	7440-21-3	2.667	0.04	0.04	441	441
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	10.153	0.17	0.17	1678	1678
encapsulation	organic material	carbon black	1333-86-4	20.005	0.33		3307	
	plastics	epoxy resin	-	380.093	6.28		62839	
	inorganic material	silicondioxide	60676-86-0	1,600.394	26.46	33.07	264586	330732
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	0.218			36	
	noble metal	silver	7440-22-4	0.545	0.01		90	
	non noble metal	tin	7440-31-5	1.418	0.02	0.03	234	360
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	56.84	56.92	568391	569131
*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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