



Material Content Data Sheet



Halogen-Free

Sales Product Name	IDW15G120C5B	Issued	17. February 2022
MA#	MA005619822		
Package	PG-TO247-3-41	Weight*	6046.59 mg

Construction Element	Material Group	Substances	CAS# if applicable	Weight [mg]	Average Mass [%]	Sum [%]	Average Mass [ppm]	Sum [ppm]
chip_1	inorganic material	siliconcarbide	409-21-2	1.430	0.02	0.02	236	236
chip_2	inorganic material	siliconcarbide	409-21-2	1.430	0.02	0.02	236	236
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	87499	87613
wire	non noble metal	aluminium	7429-90-5	2.241	0.04	0.04	371	371
encapsulation	organic material	carbon black	1333-86-4	20.068	0.33		3319	
	plastics	epoxy resin	-	381.284	6.31		63058	
	inorganic material	silicondioxide	60676-86-0	1,605.407	26.55	33.19	265506	331883
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5271	5271
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4807	4807
solder	non noble metal	antimony	7440-36-0	0.156			26	
	noble metal	silver	7440-22-4	0.389	0.01		64	
	non noble metal	tin	7440-31-5	1.012	0.02	0.03	167	257
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	56.85	56.93	568586	569326
*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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