



Material Content Data Sheet



Halogen-Free

Sales Product Name	IDW40G120C5B	Issued	11. August 2021
MA#	MA005421943		
Package	PG-TO247-3-41	Weight*	6051.26 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	3.378	0.06	0.06	558	558
chip_2	inorganic material	siliconcarbide	409-21-2	3.378	0.06	0.06	558	558
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	87431	87545
wire	non noble metal	aluminium	7429-90-5	9.035	0.15	0.15	1493	1493
encapsulation	organic material	carbon black	1333-86-4	19.992	0.33		3304	
	plastics	epoxy resin	-	379.853	6.28		62773	
	inorganic material	silicondioxide	60676-86-0	1,599.381	26.43	33.04	264305	330382
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5267	5267
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4803	4803
solder	non noble metal	antimony	7440-36-0	0.306	0.01		51	
	noble metal	silver	7440-22-4	0.766	0.01		127	
	non noble metal	tin	7440-31-5	1.991	0.03	0.05	329	507
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	56.80	56.88	568147	568887
*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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