



Material Content Data Sheet



Halogen-Free

Sales Product Name	IGW60T120	Issued	03. May 2021
MA#	MA000919758		
Package	PG-TO247-3-41	Weight*	6057.51 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	17.918	0.30	0.30	2958	2958
leadframe	inorganic material	phosphorus	7723-14-0	0.159			26	
	non noble metal	iron	7439-89-6	0.530	0.01		87	
	non noble metal	copper	7440-50-8	529.068	8.73	8.74	87341	87454
wire	non noble metal	aluminium	7429-90-5	15.579	0.26	0.26	2572	2572
encapsulation	organic material	carbon black	1333-86-4	19.825	0.33		3273	
	plastics	epoxy resin	-	376.679	6.22		62184	
	inorganic material	silicondioxide	60676-86-0	1,586.016	26.18	32.73	261827	327284
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5262	5262
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4798	4798
solder	non noble metal	antimony	7440-36-0	0.832	0.01		137	
	noble metal	silver	7440-22-4	2.079	0.03		343	
	non noble metal	tin	7440-31-5	5.407	0.09	0.13	893	1373
heatspreader	inorganic material	phosphorus	7723-14-0	1.033	0.02		170	
	non noble metal	iron	7439-89-6	3.442	0.06		568	
	non noble metal	copper	7440-50-8	3,438.006	56.75	56.83	567561	568299
*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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