



Material Content Data Sheet



Halogen-Free

Sales Product Name IPW60R031CFD7

Issued

12. April 2021

MA# MA005398795

Package PG-TO247-3-44

Weight*

6058.83 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	19.747	0.33	0.33	3259	3259
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	87322	87435
wire	non noble metal	aluminium	7429-90-5	20.307	0.34	0.34	3352	3352
encapsulation	organic material	carbon black	1333-86-4	19.778	0.33		3264	
	plastics	epoxy resin	-	375.786	6.20		62023	
	inorganic material	silicondioxide	60676-86-0	1,582.255	26.11	32.64	261149	326436
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5261	5261
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4797	4797
solder	non noble metal	antimony	7440-36-0	0.778	0.01		128	
	noble metal	silver	7440-22-4	1.945	0.03		321	
	non noble metal	tin	7440-31-5	5.056	0.08	0.12	834	1283
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	56.74	56.82	567439	568177
*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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