



Material Content Data Sheet



Halogen-Free

Sales Product Name IMW120R350M1H

Issued

05. April 2021

MA# MA001823586

Package PG-TO247-3-41

Weight*

6044.40 mg

Construction Element	Material Group	Substances	CAS# if applicable	Weight [mg]	Average Mass [%]	Sum [%]	Average Mass [ppm]	Sum [ppm]
chip	inorganic material	siliconcarbide	409-21-2	0.811	0.01	0.01	134	134
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	87530	87644
wire	non noble metal	aluminium	7429-90-5	0.358	0.01	0.01	59	59
encapsulation	organic material	carbon black	1333-86-4	20.095	0.33		3325	
	plastics	epoxy resin	-	381.812	6.32		63168	
	inorganic material	silicondioxide	60676-86-0	1,607.629	26.60	33.25	265970	332463
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5273	5273
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4809	4809
solder	non noble metal	antimony	7440-36-0	0.052			9	
	noble metal	silver	7440-22-4	0.129			21	
	non noble metal	tin	7440-31-5	0.335	0.01	0.01	55	85
heatspreader	inorganic material	phosphorus	7723-14-0	1.033	0.02		171	
	non noble metal	iron	7439-89-6	3.442	0.06		570	
	non noble metal	copper	7440-50-8	3,438.006	56.87	56.95	568792	569533
*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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