



Material Content Data Sheet



Halogen-Free

Sales Product Name IHW25N120E1

Issued

14. February 2022

MA# MA005619161

Package PG-TO247-3-41

Weight*

6049.29 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	4.202	0.07	0.07	695	695
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	87460	87574
wire	non noble metal	aluminium	7429-90-5	10.585	0.18	0.18	1750	1750
encapsulation	organic material	carbon black	1333-86-4	19.988	0.33		3304	
	plastics	epoxy resin	-	379.781	6.28		62781	
	inorganic material	silicondioxide	60676-86-0	1,599.077	26.43	33.04	264341	330426
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5269	5269
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4805	4805
solder	non noble metal	antimony	7440-36-0	0.248			41	
	noble metal	silver	7440-22-4	0.620	0.01		102	
	non noble metal	tin	7440-31-5	1.611	0.03	0.04	266	409
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	56.82	56.90	568332	569072
*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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