

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IHW30N140R5L	**Issued**	17. July 2023
MA#	MA005909121		
Package	PG-TO247-3-41	**Weight***	6050.11 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	5.591	0.092	0.092	924	924
leadframe	inorganic material	phosphorus	7723-14-0	0.159	0.003	8.756	26	87562
	non noble metal	iron	7439-89-6	0.530	0.009		88	
	non noble metal	copper	7440-50-8	529.068	8.745		87448	
wire	non noble metal	aluminium	7429-90-5	11.186	0.185	0.185	1849	1849
encapsulation	organic material	carbon black	1333-86-4	14.979	0.248	33.010	2476	330100
	organic material	phenol formaldehyde resin	9003-35-4	83.281	1.377		13765	
	non noble metal	metal hydroxide	-	183.138	3.027		30270	
	plastics	epoxy resin	29690-82-2	272.610	4.506		45059	
	inorganic material	silicondioxide	60676-86-0	1,443.135	23.853		238530	
leadfinish	non noble metal	tin	7440-31-5	31.874	0.527	0.527	5268	5268
plating	non noble metal	nickel	7440-02-0	29.065	0.480	0.480	4804	4804
solder	non noble metal	antimony	7440-36-0	0.301	0.005	0.050	50	498
	noble metal	silver	7440-22-4	0.754	0.012		125	
	non noble metal	tin	7440-31-5	1.960	0.032		324	
heatspreader	inorganic material	phosphorus	7723-14-0	1.033	0.017	56.899	171	568995
	non noble metal	iron	7439-89-6	3.442	0.057		569	
	non noble metal	copper	7440-50-8	3,438.006	56.826		568255	
*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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