

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IHW40N140R5L	**Issued**	17. July 2023
MA#	MA005908810		
Package	PG-TO247-3-41	**Weight***	6050.65 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	7.047	0.116	0.116	1165	1165
leadframe	inorganic material	phosphorus	7723-14-0	0.159	0.003	8.755	26	87554
	non noble metal	iron	7439-89-6	0.530	0.009		88	
	non noble metal	copper	7440-50-8	529.068	8.744		87440	
wire	non noble metal	aluminium	7429-90-5	10.419	0.172	0.172	1722	1722
encapsulation	organic material	carbon black	1333-86-4	14.972	0.247	32.994	2475	329936
	organic material	phenol formaldehyde resin	9003-35-4	83.247	1.376		13758	
	non noble metal	metal hydroxide	-	183.063	3.026		30255	
	plastics	epoxy resin	29690-82-2	272.498	4.504		45036	
	inorganic material	silicondioxide	60676-86-0	1,442.544	23.841		238412	
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	0.368	0.006	0.061	61	608
	noble metal	silver	7440-22-4	0.919	0.015		152	
	non noble metal	tin	7440-31-5	2.391	0.040		395	
heatspreader	inorganic material	phosphorus	7723-14-0	1.033	0.017	56.894	171	568944
	non noble metal	iron	7439-89-6	3.442	0.057		569	
	non noble metal	copper	7440-50-8	3,438.006	56.820		568205	
*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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