

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IHW25N140R5L	**Issued**	17. July 2023
MA#	MA005909137		
Package	PG-TO247-3-41	**Weight***	6049.27 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	4.269	0.071	0.071	706	706
leadframe	inorganic material	phosphorus	7723-14-0	0.159	0.003	8.757	26	87574
	non noble metal	iron	7439-89-6	0.530	0.009		88	
	non noble metal	copper	7440-50-8	529.068	8.746		87460	
wire	non noble metal	aluminium	7429-90-5	10.688	0.177	0.177	1767	1767
encapsulation	organic material	carbon black	1333-86-4	14.991	0.248	33.041	2478	330409
	organic material	phenol formaldehyde resin	9003-35-4	83.347	1.378		13778	
	non noble metal	metal hydroxide	-	183.284	3.030		30299	
	plastics	epoxy resin	29690-82-2	272.828	4.510		45101	
	inorganic material	silicondioxide	60676-86-0	1,444.287	23.875		238754	
leadfinish	non noble metal	tin	7440-31-5	31.874	0.527	0.527	5269	5269
plating	non noble metal	nickel	7440-02-0	29.065	0.480	0.480	4805	4805
solder	non noble metal	antimony	7440-36-0	0.240	0.004	0.040	40	397
	noble metal	silver	7440-22-4	0.600	0.010		99	
	non noble metal	tin	7440-31-5	1.560	0.026		258	
heatspreader	inorganic material	phosphorus	7723-14-0	1.033	0.017	56.907	171	569074
	non noble metal	iron	7439-89-6	3.442	0.057		569	
	non noble metal	copper	7440-50-8	3,438.006	56.833		568334	
*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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