



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	IHW40N135R3	<b>Issued</b>	01. April 2021
<b>MA#</b>	MA001151714		
<b>Package</b>	PG-TO247-3-44	<b>Weight*</b>	6052.02 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	10.035	0.17	0.17	1658	1658
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	8.74	8.75	87420	87534
wire	non noble metal	aluminium	7429-90-5	10.442	0.17	0.17	1725	1725
encapsulation	organic material	carbon black	1333-86-4	19.936	0.33		3294	
	plastics	epoxy resin	-	378.778	6.26		62587	
	inorganic material	silicondioxide	60676-86-0	1,594.857	26.35	32.94	263525	329406
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5267	5267
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4802	4802
solder	non noble metal	antimony	7440-36-0	0.480	0.01		79	
	noble metal	silver	7440-22-4	1.199	0.02		198	
	non noble metal	tin	7440-31-5	3.118	0.05	0.08	515	792
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	56.80	56.88	568076	568816
*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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