

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IHW40N120R5	**Issued**	31. January 2019
MA#	MA002268112		
Package	PG-TO247-3-44	**Weight***	5954.75 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	7.107	0.12	0.12	1193	1193
leadframe	inorganic material	phosphorus	7723-14-0	1.192	0.02		200	
	non noble metal	iron	7439-89-6	3.972	0.07		667	
	non noble metal	copper	7440-50-8	3967.074	66.60	66.69	666204	667071
wire	non noble metal	aluminium	7429-90-5	8.281	0.14	0.14	1391	1391
encapsulation	organic material	carbon black	1333-86-4	9.511	0.16		1597	
	plastics	epoxy resin	-	380.449	6.39		63890	
	inorganic material	silicondioxide	60676-86-0	1512.285	25.40	31.95	253963	319450
leadfinish	non noble metal	tin	7440-31-5	31.874	0.54	0.54	5353	5353
plating	non noble metal	nickel	7440-02-0	29.065	0.49	0.49	4881	4881
solder	non noble metal	antimony	7440-36-0	0.394	0.01		66	
	noble metal	silver	7440-22-4	0.984	0.02		165	
	non noble metal	tin	7440-31-5	2.559	0.04	0.07	430	661
*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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