

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IHW20N135R5	**Issued**	31. January 2019
MA#	MA002313922		
Package	PG-TO247-3-44	**Weight***	5952.79 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	5.147	0.09	0.09	865	865
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	66.63	66.72	666424	667291
wire	non noble metal	aluminium	7429-90-5	4.093	0.07	0.07	688	688
encapsulation	organic material	carbon black	1333-86-4	9.538	0.16		1602	
	plastics	epoxy resin	-	381.517	6.41		64090	
	inorganic material	silicondioxide	60676-86-0	1516.532	25.48	32.05	254759	320451
leadfinish	non noble metal	tin	7440-31-5	31.874	0.54	0.54	5354	5354
plating	non noble metal	nickel	7440-02-0	29.065	0.49	0.49	4883	4883
solder	non noble metal	antimony	7440-36-0	0.278	0.00		47	
	noble metal	silver	7440-22-4	0.696	0.01		117	
	non noble metal	tin	7440-31-5	1.809	0.03	0.04	304	468
*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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