



Material Content Data Sheet



Halogen-Free

Sales Product Name	IHW30N110R3	Issued	13. April 2021
MA#	MA003062084		
Package	PG-TO247-3-44	Weight*	5953.15 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	4.284	0.07	0.07	720	720
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	3,967.074	66.63	66.72	666382	667249
wire	non noble metal	aluminium	7429-90-5	8.222	0.14	0.14	1381	1381
encapsulation	organic material	carbon black	1333-86-4	9.524	0.16		1600	
	plastics	epoxy resin	-	380.962	6.40		63993	
	inorganic material	silicondioxide	60676-86-0	1,514.325	25.44	32.00	254374	319967
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	4882	4882
solder	non noble metal	antimony	7440-36-0	0.266			45	
	noble metal	silver	7440-22-4	0.664	0.01		112	
	non noble metal	tin	7440-31-5	1.727	0.03	0.04	290	447
*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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