



## Material Content Data Sheet



Sales Product Name	IHW30N120R2			Issued		24. December 2015		
MA#	MA000911408							
Package	PG-TO247-3-44			Weight*		6057.96 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	7.676	0.13	0.13	1267	1267
leadframe	non noble metal	iron	7439-89-6	0.530	0.01		87	
	inorganic material	phosphorus	7723-14-0	0.159	0.00		26	
	non noble metal	copper	7440-50-8	529.068	8.73	8.74	87335	87448
wire	non noble metal	aluminium	7429-90-5	80.488	1.33	1.33	13286	13286
encapsulation	organic material	carbon black	1333-86-4	19.319	0.32		3189	
	plastics	epoxy resin	-	367.069	6.06		60593	
	inorganic material	silicondioxide	60676-86-0	1545.554	25.51	31.89	255128	318910
leadfinish	non noble metal	tin	7440-31-5	32.273	0.53	0.53	5327	5327
plating	non noble metal	nickel	7440-02-0	29.428	0.49	0.49	4858	4858
solder	non noble metal	antimony	7440-36-0	0.391	0.01		65	
	noble metal	silver	7440-22-4	0.978	0.02		161	
	non noble metal	tin	7440-31-5	2.543	0.04	0.07	420	646
heatspreader	non noble metal	iron	7439-89-6	3.442	0.06		568	
	inorganic material	phosphorus	7723-14-0	1.033	0.02		170	
	non noble metal	copper	7440-50-8	3438.006	56.74	56.82	567520	568258
*deviation	< 10%	Sum in total:			100.00		1000000	

### Important Remarks:

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This product is in compliance with EU Directive 2011/65/EU (RoHS) and does not use any exemption.

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