



Material Content Data Sheet



Sales Product Name	IHW30N120R2			Issued		4. April 2016		
MA#	MA001080560							
Package	PG-TO247-3-41			Weight*		6057.56 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	87340	87453
wire	non noble metal	aluminium	7429-90-5	83.608	1.38	1.38	13802	13802
encapsulation	organic material	carbon black	1333-86-4	19.292	0.32		3185	
	plastics	epoxy resin	-	366.545	6.05		60510	
	inorganic material	silicondioxide	60676-86-0	1543.346	25.48	31.85	254781	318476
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5262	5262
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4798	4798
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	567558	568296
*deviation	< 10%	Sum in total:			100.00			1000000

Important Remarks:

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3. All statements are based on our present knowledge, are provided 'as is' and may be subject to change at any time due to technical requirements and development without notification.

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

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