



## Material Content Data Sheet



Sales Product Name	IHW40T60			Issued		4. April 2016		
MA#	MA001073718							
Package	PG-TO247-3-41			Weight*		6062.01 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	5.354	0.09	0.09	883	883
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	87276	87389
wire	non noble metal	aluminium	7429-90-5	126.008	2.08	2.08	20787	20787
encapsulation	organic material	carbon black	1333-86-4	18.936	0.31		3124	
	plastics	epoxy resin	-	359.781	5.94		59350	
	inorganic material	silicondioxide	60676-86-0	1514.868	24.99	31.24	249895	312369
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5258	5258
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4795	4795
solder	non noble metal	antimony	7440-36-0	0.389	0.01		64	
	noble metal	silver	7440-22-4	0.972	0.02		160	
	non noble metal	tin	7440-31-5	2.528	0.04	0.07	417	641
heatspreader	inorganic material	phosphorus	7723-14-0	1.033	0.02		170	
	non noble metal	iron	7439-89-6	3.442	0.06		568	
	non noble metal	copper	7440-50-8	3438.006	56.69	56.77	567140	567878
*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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