



## Material Content Data Sheet



Sales Product Name	IHW15T120			Issued		26. October 2016		
MA#	MA000726404							
Package	PG-TO247-3-41			Weight*		6058.00 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	8.814	0.15	0.15	1455	1455
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	87334	87447
wire	non noble metal	aluminium	7429-90-5	80.138	1.32	1.32	13228	13228
encapsulation	organic material	carbon black	1333-86-4	19.311	0.32		3188	
	plastics	epoxy resin	-	366.910	6.06		60566	
	inorganic material	silicondioxide	60676-86-0	1544.884	25.50	31.88	255016	318770
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	0.476	0.01		79	
	noble metal	silver	7440-22-4	1.191	0.02		197	
	non noble metal	tin	7440-31-5	3.096	0.05	0.08	511	787
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	56.74	56.82	567515	568253
*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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