



## Material Content Data Sheet



<b>Sales Product Name</b>		IHW30N160R2		<b>Issued</b>		20. July 2018		
<b>MA#</b>		MA000519030						
<b>Package</b>		PG-TO247-3-41		<b>Weight*</b>		6060.04 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	11.499	0.19	0.19	1898	1898
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	87304	87417
wire	non noble metal	aluminium	7429-90-5	85.215	1.41	1.41	14062	14062
encapsulation	organic material	carbon black	1333-86-4	19.243	0.32		3175	
	plastics	epoxy resin	-	365.622	6.03		60333	
	inorganic material	silicondioxide	60676-86-0	1539.461	25.40	31.75	254035	317543
leadfinish	non noble metal	tin	7440-31-5	32.273	0.53	0.53	5325	5325
plating	non noble metal	nickel	7440-02-0	29.428	0.49	0.49	4856	4856
solder	non noble metal	antimony	7440-36-0	0.506	0.01		84	
	noble metal	silver	7440-22-4	1.266	0.02		209	
	non noble metal	tin	7440-31-5	3.291	0.05	0.08	543	836
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	56.73	56.81	567325	568063
*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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