



## Material Content Data Sheet



<b>Sales Product Name</b>		IHW30N110R3		<b>Issued</b>		19. July 2018		
<b>MA#</b>		MA001413524						
<b>Package</b>		PG-TO247-3-41		<b>Weight*</b>		6056.46 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	4.284	0.07	0.07	707	707
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	8.74	8.75	87356	87469
wire	non noble metal	aluminium	7429-90-5	80.914	1.34	1.34	13360	13360
encapsulation	organic material	carbon black	1333-86-4	19.347	0.32		3194	
	plastics	epoxy resin	-	367.587	6.07		60693	
	inorganic material	silicondioxide	60676-86-0	1547.736	25.56	31.95	255551	319438
leadfinish	non noble metal	tin	7440-31-5	32.273	0.53	0.53	5329	5329
plating	non noble metal	nickel	7440-02-0	29.428	0.49	0.49	4859	4859
solder	non noble metal	antimony	7440-36-0	0.266	0.00		44	
	noble metal	silver	7440-22-4	0.664	0.01		110	
	non noble metal	tin	7440-31-5	1.727	0.03	0.04	285	439
heatspreader	non noble metal	iron	7439-89-6	3.442	0.06		568	
	inorganic material	phosphorus	7723-14-0	1.033	0.02		171	
	non noble metal	copper	7440-50-8	3438.006	56.75	56.83	567660	568399
*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 2015/863/EU amending Annex II to EU Directive 2011/65/EU (RoHS) and does not use any exemption

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