



## Material Content Data Sheet



<b>Sales Product Name</b>		IHW20N135R5		<b>Issued</b>		19. January 2018		
<b>MA#</b>		MA001185000						
<b>Package</b>		PG-TO247-3-44		<b>Weight*</b>		6047.11 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	5.147	0.09	0.09	851	851
leadframe	inorganic material	phosphorus	7723-14-0	0.159	0.00		26	
	non noble metal	iron	7439-89-6	0.530	0.01		88	
	non noble metal	copper	7440-50-8	529.068	8.75	8.76	87491	87605
	non noble metal	aluminium	7429-90-5	4.228	0.07	0.07	699	699
wire	non noble metal	aluminium	7429-90-5	4.228	0.07	0.07	699	699
encapsulation	organic material	carbon black	1333-86-4	20.018	0.33		3310	
	plastics	epoxy resin	-	380.338	6.29		62896	
	inorganic material	silicondioxide	60676-86-0	1601.423	26.48	33.10	264825	331031
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5271	5271
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4806	4806
solder	non noble metal	antimony	7440-36-0	0.278	0.00		46	
	noble metal	silver	7440-22-4	0.696	0.01		115	
	non noble metal	tin	7440-31-5	1.809	0.03	0.04	299	460
heatspreader	inorganic material	phosphorus	7723-14-0	1.033	0.02		171	
	non noble metal	iron	7439-89-6	3.442	0.06		569	
	non noble metal	copper	7440-50-8	3438.006	56.85	56.93	568537	569277
*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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