



## Material Content Data Sheet



<b>Sales Product Name</b>		IHW20N120R5		<b>Issued</b>		1. August 2018		
<b>MA#</b>		MA001189966						
<b>Package</b>		PG-TO247-3-41		<b>Weight*</b>		6046.82 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	4.384	0.07	0.07	725	725
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	87495	87609
	non noble metal	aluminium	7429-90-5	4.182	0.07	0.07	692	692
wire	non noble metal	aluminium	7429-90-5	4.182	0.07	0.07	692	692
encapsulation	organic material	carbon black	1333-86-4	20.025	0.33		3312	
	plastics	epoxy resin	-	380.475	6.29		62921	
	inorganic material	silicondioxide	60676-86-0	1602.000	26.49	33.11	264933	331166
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	4807	4807
solder	non noble metal	antimony	7440-36-0	0.257	0.00		43	
	noble metal	silver	7440-22-4	0.643	0.01		106	
	non noble metal	tin	7440-31-5	1.672	0.03	0.04	276	425
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	56.86	56.94	568565	569305
*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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