



## Material Content Data Sheet



<b>Sales Product Name</b>		IHW15N120R3		<b>Issued</b>		21. September 2015		
<b>MA#</b>		MA001410430						
<b>Package</b>		PG-TO247-3-41		<b>Weight*</b>		6047.01 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	3.338	0.06	0.06	552	552
leadframe	non noble metal	iron	7439-89-6	0.530	0.01		88	
	inorganic material	phosphorus	7723-14-0	0.159	0.00		26	
	non noble metal	copper	7440-50-8	529.068	8.75	8.76	87492	87606
wire	non noble metal	aluminium	7429-90-5	3.533	0.06	0.06	584	584
encapsulation	organic material	carbon black	1333-86-4	20.040	0.33		3314	
	plastics	epoxy resin	-	380.767	6.30		62968	
	inorganic material	silicondioxide	60676-86-0	1603.230	26.51	33.14	265128	331410
leadfinish	non noble metal	tin	7440-31-5	32.273	0.53	0.53	5337	5337
plating	non noble metal	nickel	7440-02-0	29.428	0.49	0.49	4867	4867
solder	non noble metal	antimony	7440-36-0	0.216	0.00		36	
	noble metal	silver	7440-22-4	0.540	0.01		89	
	non noble metal	tin	7440-31-5	1.405	0.02	0.03	232	357
heatspreader	non noble metal	iron	7439-89-6	3.442	0.06		569	
	inorganic material	phosphorus	7723-14-0	1.033	0.02		171	
	non noble metal	copper	7440-50-8	3438.006	56.85	56.93	568547	569287
*deviation	< 10%				Sum in total:	100.00		1000000

### Important Remarks:

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