



## Material Content Data Sheet



<b>Sales Product Name</b>		IGW15N120H3		<b>Issued</b>		27. September 2017		
<b>MA#</b>		MA000992392						
<b>Package</b>		PG-TO247-3-41		<b>Weight*</b>		6051.58 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	5.469	0.09	0.09	904	904
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	8.74	8.75	87426	87540
wire	non noble metal	aluminium	7429-90-5	41.298	0.68	0.68	6824	6824
encapsulation	organic material	carbon black	1333-86-4	19.687	0.33		3253	
	plastics	epoxy resin	-	374.047	6.18		61810	
	inorganic material	silicondioxide	60676-86-0	1574.936	26.03	32.54	260252	325315
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5267	5267
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4803	4803
solder	non noble metal	antimony	7440-36-0	0.297	0.00		49	
	noble metal	silver	7440-22-4	0.742	0.01		123	
	non noble metal	tin	7440-31-5	1.928	0.03	0.04	319	491
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	56.81	56.89	568116	568856
*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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